557

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# HOURLY READINGS

FROM THE

# SELF RECORDING INSTRUMENTS,

AT THE

## SEVEN OBSERVATORIES,

IN CONNECTION WITH THE

# METEOROLOGICAL OFFICE,

Issued by Authority of the

METEOROLOGICAL COMMITTEE.

JANUARY . 1877.

Dangerfield Lith. 22 Bedford St. Covent Garden.

1877.

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# VALENCIA OBSERVATORY LAT. 51°55′ N. LONG. 10°18′ W.

## BAROMETER.

| DAYS. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28·822 | 28·800 | 28·796 | 28·785 | 28·789 | 28·807 | 28·834 | 28·880 | 28·911 | 28·949 | 28·981 | 29·005 | 29·033 |
| 2 | 29·480 | 29·489 | 29·506 | 29·521 | 29·525 | 29·524 | 29·519 | 29·518 | 29·511 | 29·499 | 29·492 | 29·478 | 29·444 |
| 3 | 29·191 | 29·166 | 29·143 | 29·104 | 29·051 | 28·986 | 28·943 | 28·925 | 28·923 | 28·900 | * | ‡28·872 | ‡28·843 |
| 4 | ‡28·738 | ‡28·707 | ‡28·742 | ‡28·748 | ‡28·760 | ‡·754 | ‡·742 | * | * | †·781 | * | †·798 | * |
| 5 | ‡28·930 | ‡28·934 | ‡·932 | ‡·935 | ‡·932 | ‡·943 | ‡·956 | ‡·975 | * | †·977 | 28·984 | ·977 | ·974 |
| 6 | 29·049 | 29·017 | ·998 | ·962 | ·907 | ·843 | ·798 | ·745 | ·702 | ·625 | ·570 | ·472 | ·426 |
| 7 | 28·453 | 28·462 | 28·467 | 28·484 | 28·483 | 28·483 | 28·481 | 28·474 | 28·495 | 28·499 | 28·525 | 28·568 | 28·590 |
| 8 | 29·013 | 29·017 | 29·041 | 29·049 | 29·059 | 29·054 | 29·073 | 29·078 | 29·095 | 29·104 | 29·133 | 29·166 | 29·162 |
| 9 | ·375 | ·390 | ·407 | ·432 | ·454 | ·476 | ·507 | ·541 | ·588 | ·629 | ·669 | ·691 | ·708 |
| 10 | ·893 | ·892 | ·894 | ·897 | ·897 | ·898 | ·900 | ·902 | ·912 | ·931 | ·928 | ·912 | ·900 |
| 11 | ·862 | ·848 | ·843 | ·838 | ·824 | ·814 | ·810 | ·808 | ·815 | ·822 | 29·828 | 29·818 | 29·806 |
| 12 | ·750 | ·772 | ·794 | ·826 | ·854 | ·870 | ·906 | ·941 | ·969 | ·987 | 30·012 | 30·024 | 30·041 |
| 13 | ·882 | ·840 | ·798 | ·743 | ·706 | ·660 | ·646 | ·660 | ·688 | ·717 | 29·746 | 29·756 | 29·764 |
| 14 | ·589 | ·521 | ·472 | ·403 | ·361 | ·361 | ·402 | ·416 | ·450 | ·482 | ·516 | ·557 | ·586 |
| 15 | ·928 | ·946 | ·953 | ·934 | ·919 | ·885 | ·860 | ·822 | ·795 | ·777 | ·765 | ·709 | ·742 |
| 16 | ·846 | ·818 | ·807 | ·772 | ·763 | ·746 | ·737 | ·729 | ·727 | ·720 | ·736 | ·729 | ·722 |
| 17 | ·718 | ·687 | ·676 | ·647 | ·627 | ·614 | ·617 | ·621 | ·639 | ·670 | ·682 | ·694 | ·691 |
| 18 | ·293 | ·225 | ·182 | ·152 | ·147 | ·190 | ·207 | ·233 | ·267 | ·291 | ·314 | ·328 | ·339 |
| 19 | 29·388 | 29·359 | 29·330 | 29·286 | 29·287 | 29·206 | 29·174 | 29·142 | 29·158 | 29·174 | 29·229 | 29·412 | 29·506 |
| 20 | 30·031 | 30·051 | 30·064 | 30·080 | 30·095 | 30·113 | 30·136 | 30·166 | 30·196 | 30·220 | 30·230 | 30·234 | 30·229 |
| 21 | ·298 | ·308 | ·306 | ·316 | ·326 | ·332 | ·340 | ·359 | ·374 | ·398 | ·403 | ·389 | ·391 |
| 22 | ·398 | ·384 | ·374 | ·367 | 30·348 | 30·335 | 30·328 | 30·335 | 30·341 | 30·333 | 30·326 | 30·302 | 30·266 |
| 23 | 30·084 | 30·055 | 30·040 | ·009 | 29·979 | 29·947 | 29·926 | 29·899 | 29·874 | 29·853 | 29·840 | 29·804 | 29·754 |
| 24 | 29·929 | 29·957 | 29·984 | 30·006 | 30·019 | 30·043 | 30·053 | 30·055 | 30·062 | 30·050 | 30·043 | 30·023 | ·989 |
| 25 | 29·453 | 29·470 | 29·513 | 29·524 | 29·556 | 29·591 | 29·631 | 29·677 | 29·708 | 29·746 | 29·776 | 29·803 | 29·812 |
| 26 | 30·110 | 30·128 | 30·139 | 30·147 | 30·152 | 30·156 | 30·155 | 30·168 | 30·172 | 30·175 | 30·159 | 30·144 | 30·127 |
| 27 | 29·918 | 29·924 | 29·949 | 29·985 | 30·015 | 30·034 | 30·048 | 30·084 | 30·120 | 30·136 | 30·164 | 30·161 | 30·152 |
| 28 | 29·631 | 29·761 | 29·735 | 29·712 | 29·737 | 29·762 | 29·788 | 29·820 | 29·851 | 29·877 | 29·892 | 29·900 | 29·902 |
| 29 | 30·123 | 30·143 | 30·158 | 30·156 | 30·161 | 30·155 | 30·148 | 30·116 | 30·118 | 30·107 | 30·110 | 30·113 | 30·119 |
| 30 | 29·714 | 29·624 | 29·558 | 29·481 | 29·576 | 29·624 | 29·672 | 29·751 | 29·798 | 29·848 | 29·887 | 29·926 | 29·946 |
| 31 | 30·112 | 30·107 | 30·090 | 30·073 | 30·060 | 30·027 | 29·972 | 29·937 | 29·940 | 29·948 | 29·943 | 29·939 | 29·933 |

## DRY BULB THERMOMETER 12 FEET ABOVE GROUND.

| DAYS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 47·7 | 47·8 | 47·7 | 47·9 | 47·8 | 47·4 | 46·9 | 46·9 | 47·4 | 47·9 | 47·9 | 47·5 | 46·4 | 46·1 | 44·1 | 43·8 | 41·8 | 41·7 | 40·9 | 41·2 | 39·5 | 37·6 | 37·3 | 35·8 |
| 2 | 34·2 | 34·8 | 34·7 | 35·3 | 38·0 | 34·6 | 34·7 | 34·1 | 36·8 | 38·6 | 40·1 | 40·0 | 41·3 | 41·2 | 41·5 | 41·4 | 41·2 | 42·7 | 43·7 | 45·3 | 45·2 | 45·2 | 46·1 | 45·8 |
| 3 | 45·7 | 46·1 | 46·9 | 47·6 | 48·8 | 48·7 | 48·9 | 49·6 | 50·3 | 51·1 | ‡51·3 | 51·7 | 52·1 | 51·6 | 51·3 | 51·0 | 50·6 | 50·6 | 50·8 | 50·5 | 60·2 | 50·9 | 49·4 | 49·9 |
| 4 | 49·3 | 49·3 | 49·5 | 48·6 | 48·0 | 48·3 | 49·2 | 49·7 | 49·8 | 49·6 | 49·7 | 50·1 | 49·7 | 50·7 | 50·2 | 49·8 | 49·2 | 48·8 | 48·9 | 49·0 | 48·0 | 46·4 | 48·6 | 48·3 |
| 5 | 47·9 | 47·7 | 48·2 | 47·2 | 47·8 | 47·1 | 47·0 | 45·3 | * | * | 47·0 | 48·2 | 45·7 | 42·7 | 43·0 | 45·1 | 44·2 | 43·6 | 43·2 | 43·1 | 44·4 | 42·9 | 45·1 | 44·2 |
| 6 | 45·4 | 45·7 | 45·8 | 45·9 | 44·4 | 44·2 | 47·2 | 47·6 | 48·4 | 48·9 | 48·5 | 49·1 | 50·6 | 51·2 | 51·4 | 50·6 | 49·7 | 48·0 | 48·5 | 49·0 | 49·0 | 48·2 | 49·0 | 48·9 |
| 7 | 48·7 | 48·6 | 47·7 | 47·7 | 47·1 | 48·6 | 48·8 | 49·4 | 43·8 | 45·7 | 46·7 | 47·3 | 48·9 | 49·3 | 50·0 | 49·9 | 49·5 | 49·6 | 49·3 | 49·0 | 49·3 | 49·2 | 48·2 | 48·6 |
| 8 | 48·7 | 49·1 | 48·3 | 48·6 | 47·7 | 47·7 | 48·3 | 48·1 | 48·4 | 48·0 | 47·9 | 49·8 | 50·4 | 50·0 | 49·9 | 50·0 | 48·8 | 47·6 | 47·6 | 47·9 | 47·3 | 46·4 | 46·6 | 45·8 |
| 9 | 46·5 | 46·3 | 46·3 | 45·2 | 45·0 | 45·2 | 45·1 | 44·6 | 45·6 | 46·9 | 47·1 | 48·7 | 48·0 | 48·4 | 47·4 | 47·4 | 46·0 | 45·4 | 44·2 | 43·0 | 42·8 | 45·0 | 45·2 | 44·6 |
| 10 | 42·4 | 41·7 | 41·4 | 39·6 | 39·7 | 41·4 | 41·5 | 40·8 | 40·6 | 41·1 | 41·0 | 45·0 | 45·3 | 45·6 | 46·0 | 44·9 | 44·0 | 41·9 | 41·8 | 39·5 | 40·5 | 42·6 | 42·5 | 42·8 |
| 11 | 41·4 | 42·3 | 43·6 | 40·7 | 43·8 | 44·2 | 45·1 | 44·3 | 45·0 | 45·8 | 47·4 | 48·6 | 47·3 | 46·8 | 46·3 | 47·2 | 47·2 | 46·6 | 46·8 | 47·7 | 45·3 | 44·2 | 45·9 | 45·4 |
| 12 | 44·0 | 42·1 | 43·6 | 43·6 | 43·0 | 42·1 | 40·1 | 40·1 | 41·7 | 41·6 | 43·0 | 42·3 | 44·4 | 43·7 | 44·3 | 44·3 | 42·4 | 39·2 | 38·1 | 37·9 | 39·1 | 39·5 | 40·5 | 43·2 |
| 13 | 45·0 | 44·8 | 44·7 | 44·9 | 45·6 | 46·7 | 49·1 | 50·0 | 49·9 | 49·0 | 49·2 | 50·8 | 50·2 | 51·1 | 50·6 | 49·8 | 47·8 | 47·4 | 47·0 | 47·8 | 49·2 | 49·8 | 49·8 | 49·4 |
| 14 | 49·7 | 49·6 | 50·9 | 51·5 | 52·0 | 50·2 | 48·0 | 48·3 | 47·7 | 47·6 | 48·1 | 48·0 | 47·9 | 47·8 | 45·7 | 42·5 | 44·2 | 39·5 | 41·8 | 42·4 | 42·8 | 42·3 | 43·1 | 43·2 |
| 15 | 42·8 | 42·9 | 43·3 | 41·8 | 45·3 | 45·1 | 45·8 | 46·7 | 47·6 | 48·6 | 49·8 | 50·1 | 51·9 | 50·5 | 51·0 | 49·8 | 50·3 | 49·2 | 48·8 | 48·6 | 48·0 | 47·4 | 47·9 | 47·5 |
| 16 | 48·4 | 49·0 | 49·7 | 50·9 | 51·3 | 51·3 | 51·5 | 51·4 | 51·6 | 51·4 | 51·8 | 53·1 | 52·8 | 50·8 | 52·6 | 50·5 | 50·0 | 49·0 | 48·2 | 46·9 | 46·2 | 46·0 | 45·9 | 44·1 |
| 17 | 45·2 | 45·8 | 46·8 | 47·7 | 47·8 | 45·6 | 43·7 | 43·5 | 43·6 | 44·3 | 45·7 | 45·5 | 45·9 | 45·9 | 46·2 | 45·1 | 43·7 | 44·5 | 45·3 | 48·8 | 46·3 | 46·6 | 47·0 | 46·8 |
| 18 | 47·8 | 48·4 | 49·0 | 50·3 | 50·9 | 50·1 | 49·9 | 49·9 | 49·4 | 48·3 | 48·5 | 49·0 | 48·5 | 48·1 | 47·9 | 47·3 | 47·3 | 46·7 | 46·2 | 45·5 | 45·1 | 44·1 | 44·6 | 44·3 |
| 19 | 43·5 | 43·6 | 43·8 | 44·3 | 44·4 | 43·9 | 44·3 | 49·7 | 49·6 | 49·6 | 47·0 | 42·2 | 43·1 | 44·0 | 42·7 | 44·7 | 44·0 | 43·8 | 43·8 | 44·3 | 42·6 | 43·7 | 43·8 | 43·9 |
| 20 | 42·0 | 43·6 | 43·4 | 43·9 | 44·1 | 44·0 | 45·2 | 45·0 | 44·7 | 46·2 | 48·0 | 48·5 | 49·1 | 49·4 | 49·5 | 49·3 | 49·2 | 49·4 | 49·0 | 49·7 | 49·5 | 49·0 | 49·7 | 49·8 |
| 21 | 49·9 | 49·7 | 49·7 | 49·6 | 49·5 | 48·9 | 48·2 | 48·3 | 48·5 | 48·3 | 49·1 | 49·8 | 49·7 | 50·1 | 49·5 | 48·5 | 47·0 | 47·8 | 48·3 | 47·8 | 47·7 | 45·9 | 46·3 | 46·1 |
| 22 | 46·4 | 46·2 | 46·4 | 46·6 | 47·5 | 47·9 | 48·1 | 48·5 | 48·8 | 49·1 | 49·6 | 50·0 | 50·0 | 50·1 | 50·0 | 49·9 | 49·3 | 49·7 | 49·9 | 50·1 | 60·2 | 50·3 | 50·0 | 49·8 |
| 23 | 49·9 | 49·8 | 50·2 | 49·8 | 50·0 | 50·2 | 50·8 | 51·0 | 51·5 | 51·5 | 51·6 | 51·5 | 51·8 | 51·6 | 50·9 | 62·4 | 51·4 | 48·7 | 47·4 | 45·3 | 43·7 | 42·6 | 43·7 | 41·8 |
| 24 | 39·6 | 41·8 | 42·7 | 43·3 | 42·6 | 43·5 | 43·3 | 44·5 | 45·6 | 46·0 | 46·8 | 47·7 | 46·9 | 45·9 | 46·6 | 45·9 | 46·7 | 46·1 | 46·2 | 47·3 | 48·2 | 49·7 | 50·4 | 50·8 |
| 25 | 52·0 | 51·1 | 48·8 | 48·6 | 48·3 | 47·3 | 46·6 | 45·2 | 43·3 | 43·7 | 39·8 | 42·1 | 43·7 | 37·3 | 43·3 | 42·6 | 39·0 | 42·0 | 40·2 | 41·5 | 41·9 | 42·9 | 41·0 | 43·2 |
| 26 | 41·9 | 43·3 | 42·8 | 42·4 | 42·9 | 42·3 | 42·8 | 42·6 | 43·3 | 43·7 | 45·7 | 46·6 | 46·9 | 46·8 | 47·2 | 46·9 | 47·0 | 47·7 | 48·3 | 49·6 | 49·9 | 49·8 | 50·2 | 50·3 |
| 27 | 51·6 | 51·6 | 52·0 | 49·9 | 49·9 | 50·0 | 49·4 | 49·8 | 49·8 | 49·7 | 50·5 | 50·7 | 50·8 | 49·7 | 49·1 | 48·3 | 48·0 | 46·7 | 47·8 | 48·2 | 48·9 | 49·4 | 49·2 | 47·9 |
| 28 | 49·1 | 51·2 | 51·2 | 52·1 | 50·2 | 49·6 | 46·0 | * | 42·4 | 40·4 | 43·6 | 44·9 | 43·3 | 44·8 | 44·1 | 43·6 | 43·1 | 39·9 | 41·0 | 39·1 | 41·5 | 42·0 | 40·1 | 39·3 |
| 29 | 42·3 | 43·2 | 43·0 | 44·1 | 45·3 | 45·5 | 46·0 | 46·7 | 46·8 | 48·2 | 49·6 | 50·1 | 50·7 | 50·8 | 50·6 | 50·7 | 50·8 | 49·4 | 49·4 | 49·5 | 49·1 | 49·2 | 49·6 | 49·5 |
| 30 | 49·6 | 50·1 | 49·3 | 50·8 | 46·6 | 45·7 | 44·8 | 45·2 | 44·7 | 45·3 | 46·3 | 45·6 | 47·2 | 46·5 | 45·3 | 45·1 | 46·9 | 42·4 | 45·3 | 45·7 | 45·7 | 45·7 | 44·5 | 44·8 |
| 31 | 44·1 | 43·3 | 45·0 | 44·9 | 44·3 | 44·2 | 45·1 | 45·8 | 50·0 | 50·0 | 50·7 | 50·9 | 52·0 | 51·3 | 51·7 | 51·2 | 50·8 | 50·6 | 50·6 | 50·5 | 50·0 | 49·9 | 50·5 | 50·5 |

* Record defective or Instrument out of action. † Reading of Standard. ‡ Approximate.

# HOURLY VALUES *January* 1877.

CISTERN 23 FEET ABOVE MEAN SEA LEVEL.

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. | | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ·070 | 29·120 | 29·174 | 29·228 | 29·281 | 29·324 | 29·371 | 29·408 | 29·440 | 29·461 | 29·478 | | 1 |
| ·429 | 29·399 | 29·380 | 29·366 | 29·346 | 29·319 | 29·329 | 29·305 | 29·252 | 29·243 | 29·213 | | 2 |
| ·814 | †28·807 | †28·812 | †28·812 | †28·806 | †28·804 | †28·794 | †28·784 | †28·758 | †28·755 | †28·742 | | 3 |
| ·799 | * | †·815 | ----- | ---*--- | ------ | ------ | ------ | * | †28·915 | †28·928 | | 4 |
| ·991 | ·998 | ·997 | 29·012 | 29·026 | 29·049 | 29·060 | 29·057 | 29·061 | 29·050 | 29·056 | | 5 |
| ·385 | ·363 | ·351 | 28·338 | 28·336 | 28·326 | 28·324 | 28·358 | 28·393 | 28·416 | 28·440 | | 6 |
| ·643 | 28·687 | 28·730 | 28·777 | 28·810 | 28·849 | 28·891 | 28·925 | 28·956 | 28·977 | 28·999 | | 7 |
| ·188 | 29·210 | 29·234 | 29·256 | 29·273 | 29·286 | 29·304 | 29·323 | 29·340 | 29·364 | 29·369 | | 8 |
| ·727 | ·742 | ·775 | ·804 | ·826 | ·838 | ·854 | ·879 | ·897 | ·897 | ·898 | | 9 |
| ·891 | ·887 | ·882 | ·891 | ·897 | ·892 | ·891 | ·894 | ·884 | ·882 | ·871 | | 10 |
| ·789 | 29·780 | 29·762 | 29·734 | 29·702 | 29·678 | 29·662 | 29·676 | ·695 | ·702 | ·732 | | 11 |
| ·036 | 30·045 | 30·050 | 30·056 | 30·059 | 30·054 | 30·042 | 30·022 | ·990 | ·954 | ·914 | | 12 |
| ·776 | 29·784 | 29·798 | 29·806 | 29·801 | 29·794 | 29·781 | 29·761 | ·734 | ·692 | ·629 | | 13 |
| ·626 | ·668 | ·703 | ·738 | ·788 | ·809 | ·838 | ·859 | ·883 | ·907 | ·928 | | 14 |
| ·741 | ·758 | ·774 | ·787 | ·814 | ·828 | ·850 | ·870 | ·869 | ·868 | ·856 | | 15 |
| ·721 | ·722 | ·735 | ·751 | ·764 | ·760 | ·764 | ·759 | ·751 | ·744 | ·735 | | 16 |
| ·691 | ·689 | ·688 | ·675 | ·662 | ·622 | ·590 | ·544 | ·482 | ·432 | ·364 | | 17 |
| ·349 | ·364 | ·372 | ·380 | ·391 | ·392 | ·399 | ·401 | ·397 | ·394 | 29·386 | | 18 |
| ·692 | 29·655 | 29·721 | 29·769 | 29·817 | 29·846 | 29·891 | 29·917 | 29·964 | 29·988 | 30·013 | | 19 |
| ·229 | 30·228 | 30·241 | 30·240 | 30·244 | 30·252 | 30·280 | 30·286 | 30·293 | 30·286 | ·296 | | 20 |
| ·393 | ·392 | ·394 | ·402 | ·403 | ·413 | ·415 | ·416 | ·412 | ·411 | ·409 | | 21 |
| ·233 | 30·217 | 30·202 | 30·197 | 30·180 | 30·166 | 30·152 | 30·141 | 30·128 | 30·116 | 30·097 | | 22 |
| ·707 | 29·690 | 29·666 | 29·650 | 29·654 | 29·662 | 29·716 | 29·756 | 29·810 | 29·845 | 29·886 | | 23 |
| ·961 | ·916 | ·860 | ·836 | ·766 | ·717 | 29·653 | 29·587 | 29·512 | 29·501 | 29·472 | | 24 |
| ·862 | 29·859 | 29·890 | 29·937 | 29·954 | 29·993 | 30·004 | 30·036 | 30·067 | 30·102 | 30·107 | | 25 |
| ·092 | 30·072 | 30·053 | 30·044 | 30·016 | 30·006 | 29·989 | 29·976 | 29·947 | 29·926 | 29·917 | | 26 |
| ·160 | 30·158 | 30·179 | 30·182 | 30·166 | 30·154 | 30·128 | 30·087 | 30·013 | 29·964 | 29·883 | | 27 |
| ·888 | 29·890 | 29·897 | 29·902 | 29·943 | 29·955 | 29·968 | 29·996 | 30·034 | 30·077 | 30·133 | | 28 |
| ·106 | 30·099 | 30·090 | 30·072 | 30·068 | 30·039 | 29·993 | 29·926 | 29·895 | 29·832 | 29·776 | | 29 |
| ·964 | 29·980 | 30·018 | 30·040 | 30·072 | 30·082 | 30·096 | 30·100 | 30·116 | 30·113 | 30·120 | | 30 |
| ·924 | 29·915 | 29·917 | 29·921 | 29·922 | 29·929 | 29·926 | 29·926 | 29·926 | 29·922 | 29·921 | | 31 |

# WET BULB THERMOMETER *12 FEET ABOVE GROUND.*

| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. | | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ·2 | 47·2 | 47·1 | 47·1 | 46·3 | 45·9 | 44·8 | 45·4 | 44·5 | 44·8 | 45·9 | 45·3 | 44·1 | 43·8 | 42·3 | 41·7 | 40·3 | 40·2 | 39·1 | 38·6 | 37·0 | 35·2 | 34·9 | 34·6 | | 1 |
| 2·9 | 33·3 | 33·1 | 33·7 | 35·7 | 33·2 | 32·1 | 32·4 | 34·8 | 35·7 | 36·8 | 36·8 | 37·2 | 37·0 | 37·2 | 36·4 | 37·1 | 39·0 | 40·6 | 41·8 | 42·1 | 42·3 | 42·5 | 43·2 | | 2 |
| 3·5 | 44·2 | 46·0 | 45·7 | 46·0 | 45·9 | 46·3 | 47·9 | 49·4 | 50·1 | * | †50·2 | †49·9 | †49·7 | 49·1 | 48·9 | 48·6 | 48·7 | 48·8 | 48·8 | 48·4 | 48·3 | †48·2 | †48·3 | | 3 |
| 8·0 | †47·8 | 48·3 | 47·3 | 46·9 | †47·3 | †48·2 | †48·1 | †48·2 | 48·0 | 48·3 | †48·0 | †48·0 | †48·4 | 48·3 | 48·2 | 47·4 | 47·1 | 47·0 | 47·1 | 45·6 | 45·5 | 46·3 | 45·7 | | 4 |
| 5·4 | 44·7 | 44·8 | 44·4 | 44·7 | 42·7 | †42·2 | †43·0 | * | * | 44·4 | 44·9 | 43·0 | 40·5 | 40·3 | 43·2 | 41·6 | 42·5 | 40·0 | 40·6 | 40·3 | 39·4 | 41·6 | 41·1 | | 5 |
| 2·2 | 42·3 | 43·3 | 43·6 | 43·0 | 43·8 | 46·6 | 47·1 | 47·8 | 48·0 | 47·3 | 48·2 | 49·6 | 49·7 | 49·2 | 47·8 | 47·3 | 45·7 | 46·5 | 47·7 | 46·8 | 45·5 | 45·0 | 44·4 | | 6 |
| 4·0 | 44·8 | 44·2 | 44·7 | 44·3 | 44·3 | 44·6 | 44·7 | 43·4 | 44·3 | 44·7 | 44·9 | 46·6 | 46·7 | 46·7 | 46·3 | 46·1 | 45·2 | 46·3 | 45·9 | 46·9 | 46·3 | 46·4 | 46·6 | | 7 |
| 4·4 | 46·3 | 45·7 | 46·1 | 45·3 | 45·5 | 46·4 | 46·3 | 46·5 | 46·8 | 46·6 | 48·1 | 47·7 | 47·6 | 47·1 | 47·1 | 46·6 | 46·1 | 46·0 | 46·2 | 46·9 | 46·2 | 45·3 | 44·7 | | 8 |
| 5·5 | 44·1 | 45·0 | 44·1 | 43·9 | 44·3 | 44·0 | 42·9 | 44·0 | 43·6 | 44·6 | 45·7 | 45·7 | 45·8 | 45·2 | 44·7 | 43·3 | 40·3 | 40·5 | 39·3 | 40·0 | 40·8 | 41·4 | 40·9 | | 9 |
| 2·3 | 39·0 | 38·8 | 37·6 | 37·7 | 39·3 | 39·2 | 39·0 | 38·8 | 39·1 | 39·3 | 41·8 | 42·6 | 42·6 | 43·0 | 42·1 | 41·7 | 40·2 | 40·2 | 38·2 | 39·2 | 40·7 | 40·6 | 41·2 | | 10 |
| 1·0 | 40·8 | 42·4 | 42·8 | 43·0 | 43·0 | 42·8 | 42·5 | 42·4 | 43·8 | 44·3 | 44·4 | 44·2 | 42·4 | 42·2 | 43·9 | 44·7 | 45·1 | 45·4 | 46·4 | 44·1 | 42·3 | 41·3 | 39·9 | | 11 |
| 9·2 | 38·8 | 39·1 | 38·7 | 37·1 | 37·3 | 36·6 | 37·6 | 37·6 | 38·6 | 38·0 | 38·0 | 37·9 | 38·9 | 39·5 | 39·2 | 37·2 | 35·7 | 36·3 | 36·0 | 37·0 | 36·9 | 38·1 | 39·7 | | 12 |
| 1·0 | 41·8 | 43·2 | 43·6 | 45·0 | 46·2 | 48·3 | 48·6 | 47·4 | 46·8 | 47·7 | 48·2 | 47·3 | 47·9 | 48·2 | 47·6 | 46·0 | 46·2 | 45·3 | 46·3 | 47·6 | 48·2 | 48·3 | 48·3 | | 13 |
| 8·3 | 48·9 | 50·0 | 50·7 | 50·9 | 49·1 | 46·0 | 46·0 | 44·8 | 43·6 | 44·2 | 42·4 | 42·3 | 41·2 | 39·7 | 39·1 | 38·2 | 37·1 | 37·6 | 39·1 | 38·3 | 38·7 | 37·7 | 38·2 | | 14 |
| 9·3 | 39·0 | 39·1 | 39·0 | 41·9 | 42·5 | 43·8 | 45·1 | 46·6 | 47·8 | 48·9 | 49·5 | 49·7 | 48·8 | 47·0 | 47·4 | 47·6 | 46·1 | 45·6 | 44·4 | 44·0 | 43·8 | 44·8 | 45·0 | | 15 |
| 6·4 | 47·0 | 48·8 | 50·6 | 50·8 | 50·9 | 51·0 | 51·1 | 51·2 | 51·0 | 51·6 | 52·0 | 51·7 | 49·8 | 50·8 | 47·9 | 47·6 | 46·1 | 44·8 | 44·0 | 44·3 | 44·0 | 44·7 | 43·3 | | 16 |
| 3·0 | 43·3 | 44·0 | 44·1 | 44·6 | 43·6 | 42·6 | 41·8 | 41·3 | 40·4 | 41·0 | 40·8 | 40·9 | 42·0 | 41·6 | 41·1 | 41·3 | 41·4 | 41·8 | 42·7 | 43·0 | 43·5 | 44·7 | 45·2 | | 17 |
| 6·1 | 47·0 | 48·3 | 49·4 | 49·4 | 46·4 | 46·8 | 46·3 | 46·0 | 46·2 | 45·8 | 45·6 | 46·7 | 44·8 | 45·1 | 44·3 | 45·0 | 44·8 | 43·9 | 43·5 | 44·0 | 43·1 | 43·1 | 42·8 | | 18 |
| 2·4 | 42·6 | 42·9 | 43·0 | 42·9 | 43·0 | 43·6 | 47·6 | 46·7 | 46·2 | 44·7 | 40·8 | 41·3 | 42·2 | 40·0 | 40·8 | 41·2 | 38·3 | 38·8 | 40·1 | 39·7 | 39·8 | 40·7 | 39·8 | | 19 |
| 9·4 | 40·0 | 40·2 | 40·4 | 40·9 | 40·7 | 41·6 | 41·6 | 42·3 | 43·2 | 43·8 | 44·4 | 44·0 | 44·3 | 44·2 | 44·6 | 44·4 | 45·2 | 45·5 | 45·5 | 46·2 | 46·0 | 46·0 | 46·5 | | 20 |
| 6·9 | 46·7 | 47·1 | 47·0 | 46·9 | 46·7 | 46·3 | 45·9 | 46·0 | 45·3 | 45·8 | 46·0 | 46·3 | 46·9 | 45·9 | 45·8 | 45·8 | 45·7 | 46·1 | 46·5 | 45·8 | 44·8 | 44·9 | 44·9 | | 21 |
| 5·1 | 44·9 | 45·3 | 45·4 | 46·4 | 46·8 | 47·0 | 47·3 | 47·6 | 47·6 | 47·9 | 48·4 | 49·0 | 49·1 | 49·6 | 49·0 | 48·8 | 49·0 | 49·2 | 49·2 | 49·4 | 49·5 | 49·3 | 49·2 | | 22 |
| 9·3 | 49·2 | 49·3 | 49·2 | 49·4 | 49·6 | 50·1 | 50·3 | 50·8 | 50·7 | 50·6 | 50·6 | 50·6 | 50·6 | 49·3 | 50·6 | 49·3 | 47·0 | 45·5 | 44·7 | 42·3 | 41·2 | 41·6 | 39·5 | | 23 |
| 8·5 | 39·1 | 38·6 | 37·2 | 37·7 | 38·4 | 39·7 | 40·0 | 41·0 | 42·2 | 42·8 | 43·8 | 43·7 | 43·0 | 44·2 | 44·2 | 44·8 | 44·7 | 45·2 | 46·1 | 47·2 | 48·7 | 49·7 | 50·2 | | 24 |
| 1·0 | 50·5 | 47·3 | 46·9 | 46·0 | 43·7 | 41·4 | 39·8 | 39·0 | 38·8 | 37·8 | 38·7 | 38·7 | 36·3 | 37·5 | 38·2 | 36·4 | 37·8 | 37·2 | 38·5 | 38·0 | 39·2 | 38·3 | 39·5 | | 25 |
| 9·2 | 39·9 | 39·3 | 38·5 | 39·8 | 39·2 | 40·0 | 39·3 | 41·0 | 41·8 | 42·8 | 43·3 | 43·9 | 44·3 | 45·4 | 45·7 | 46·4 | 46·7 | 47·7 | 48·1 | 48·6 | 49·1 | 49·7 | 49·9 | | 26 |
| 1·1 | 51·0 | 51·8 | 47·4 | 46·4 | 46·0 | 46·5 | 46·6 | 46·2 | 45·5 | 46·8 | 45·8 | 46·4 | 46·1 | 46·0 | 46·0 | 45·3 | 44·6 | 45·8 | 46·3 | 46·8 | 47·8 | 47·5 | 46·9 | | 27 |
| 28·5 | 50·6 | 50·6 | 51·1 | 47·5 | 45·1 | 43·0 | 42·6 | 41·3 | 39·3 | 40·6 | 40·2 | 39·5 | 40·2 | 39·9 | 39·1 | 38·7 | 37·8 | 37·3 | 36·8 | 35·3 | 35·5 | 35·8 | 36·5 | | 28 |
| 16·8 | 37·0 | 38·0 | 38·9 | 40·5 | 40·3 | 42·2 | 43·0 | 44·6 | 46·9 | 47·3 | 47·6 | 48·0 | 47·7 | 47·2 | 47·0 | 46·9 | 47·6 | 47·1 | 47·1 | 46·7 | 46·6 | 46·5 | 46·7 | | 29 |
| 7·3 | 47·5 | 48·2 | 49·4 | 44·2 | 42·1 | 41·3 | 40·3 | 40·4 | 40·0 | 40·6 | 40·8 | 42·2 | 41·8 | 41·2 | 41·3 | 42·4 | 40·9 | 41·8 | 40·8 | 41·0 | 40·9 | 41·2 | 41·6 | | 30 |
| 41·1 | 41·2 | 42·6 | †42·8 | 42·8 | 43·2 | 44·6 | 46·4 | 49·7 | 50·0 | 50·4 | 50·7 | 50·9 | 50·9 | 50·6 | 50·1 | 49·9 | 49·6 | 49·5 | 49·1 | 49·0 | 48·6 | 48·2 | 47·9 | | 31 |

*Meteorological Office,*
*116, Victoria Street, Westminster, S.W.*
ROBERT H. SCOTT, Director.

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VALENCIA OBSERVATORY LAT: 51°55' N LONG: 10°18' W.

## WIND

DIRECTION IN NUMBERS { 8 - E 24 - W / 16 - S 32 - N }

| DAYS | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | NOON | | 1 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V |
| 1 | 25 | 3 | 2 | 3 | 2 | 3 | 2 | 4·5 | 2 | 7·5 | 2 | 15 | 3 | 10·5 | 3 | 4·5 | 32 | 14 | 32 | 10·5 | 32 | 12 | 32 | 19 | 1 | 19 |
| 2 | 6 | 4 | 6 | 3 | 6 | 3 | 5 | 6·5 | 10 | 7·5 | 9 | 4 | 9 | 0 | 9 | 6·5 | 10 | 9·5 | 10 | 9·5 | 7 | 12 | 9 | 9·5 | 9 | 14 |
| 3 | 9 | 42 | 9 | 36 | 9 | 31 | 10 | 29 | 9 | 31 | 9 | 38 | 9 | 42 | 9 | 37 | 11 | 20 | 14 | 30 | 14 | 31 | 14 | 32 | 14 | 37 |
| 4 | 16 | 36 | 15 | 34 | 15 | 33 | 16 | 24 | 15 | 22 | 16 | 20 | 16 | 27 | 17 | 24 | 18 | 25 | 19 | 21 | 19 | 19 | 19 | 18 | 21 | 22 |
| 5 | 23 | 26 | 22 | 29 | 22 | 25 | 22 | 27 | 22 | 27 | 22 | 20 | 23 | 26 | 24 | 23 | 23 | 14 | 24 | 5·5 | 22 | 11 | 23 | 16 | 23 | 30 |
| 6 | 19 | 17 | 18 | 16 | 17 | 19 | 15 | 24 | 13 | 20 | 12 | 24 | 14 | 36 | 13 | 25 | 12 | 23 | 11 | 21 | 11 | 27 | 12 | 28 | 16 | 36 |
| 7 | 20 | 53 | 20 | 51 | 19 | 52 | 19 | 52 | 19 | 51 | 19 | 57 | 18 | 60 | 19 | 61 | 21 | 64 | 20 | 69 | 21 | 64 | 21 | 65 | 21 | 64 |
| 8 | 20 | 26 | 18 | 28 | 18 | 31 | 18 | 31 | 18 | 32 | 20 | 25 | 19 | 27 | 18 | 22 | 18 | 19 | 16 | 7·5 | 22 | 9·5 | 23 | 13 | 23 | 17 |
| 9 | 17 | 9·5 | 24 | 8·5 | 24 | 4 | 24 | 3 | 24 | 2 | 24 | 3 | 24 | 4 | 24 | 5·5 | 24 | 9·5 | 23 | 14 | 24 | 11 | 23 | 14 | 23 | 14 |
| 10 | 19 | 5·5 | 20 | 7·5 | 22 | 3 | 26 | 4 | 25 | 6·5 | 16 | 12 | 16 | 13 | 16 | 10·5 | 16 | 10·5 | 16 | 7·5 | 16 | 6·5 | 16 | 6·5 | 16 | 4·5 |
| 11 | 16 | 11 | 15 | 11 | 15 | 12 | 15 | 14 | 15 | 15 | 15 | 4·5 | 23 | 7·5 | 23 | 5·5 | 23 | 6·5 | 25 | 15 | 26 | 17 | 26 | 17 | 26 | 14 |
| 12 | 30 | 22 | 30 | 23 | 30 | 20 | 30 | 23 | 29 | 27 | 29 | 23 | 30 | 21 | 31 | 20 | 32 | 19 | 29 | 17 | 31 | 14 | 31 | 12 | 31 | 13 |
| 13 | 17 | 32 | 17 | 36 | 16 | 41 | 15 | 43 | 13 | 44 | 15 | 40 | 16 | 39 | 19 | 29 | 23 | 23 | 24 | 16 | 23 | 15 | 23 | 17 | 24 | 16 |
| 14 | 15 | 37 | 15 | 37 | 16 | 40 | 16 | 47 | 18 | 46 | 21 | 30 | 25 | 20 | 24 | 19 | 25 | 19 | 26 | 22 | 27 | 23 | 28 | 22 | 27 | 24 |
| 15 | 25 | 13 | 26 | 13 | 24 | 14 | 24 | 13 | 20 | 24 | 19 | 29 | 18 | 38 | 19 | 42 | 18 | 44 | 19 | 39 | 20 | 40 | 20 | 42 | 22 | 34 |
| 16 | 20 | 24 | 18 | 26 | 18 | 33 | 19 | 37 | 20 | 34 | 20 | 36 | 20 | 40 | 20 | 37 | 20 | 39 | 20 | 41 | 20 | 40 | 22 | 40 | 21 | 33 |
| 17 | 19 | 11 | 19 | 15 | 19 | 22 | 19 | 27 | 19 | 29 | 21 | 27 | 25 | 24 | 23 | 19 | 25 | 18 | 25 | 16 | 25 | 16 | 24 | 19 | 24 | 21 |
| 18 | 16 | 53 | 16 | 51 | 16 | 54 | 17 | 59 | 20 | 47 | 22 | 30 | 22 | 29 | 20 | 24 | 21 | 27 | 21 | 20 | 23 | 19 | 23 | 16 | 23 | 17 |
| 19 | 24 | 3 | 29 | 5·5 | 3 | 4·5 | 8 | 9·5 | 8 | 11 | 6 | 14 | 7 | 12 | 19 | 47 | 19 | 43 | 19 | 41 | 27 | 25 | 28 | 34 | 28 | 29 |
| 20 | 22 | 13 | 21 | 17 | 19 | 15 | 19 | 16 | 21 | 18 | 21 | 17 | 21 | 18 | 20 | 18 | 18 | 19 | 19 | 27 | 19 | 27 | 19 | 30 | 19 | 31 |
| 21 | 18 | 42 | 19 | 38 | 19 | 38 | 19 | 38 | 19 | 33 | 19 | 28 | 19 | 31 | 19 | 28 | 18 | 26 | 18 | 27 | 19 | 26 | 19 | 21 | 19 | 24 |
| 22 | 14 | 9·5 | 14 | 11 | 14 | 10·5 | 14 | 3 | 14 | 11 | 14 | 13 | 14 | 15 | 14 | 14 | 14 | 14 | 14 | 16 | 14 | 16 | 14 | 21 | 14 | 27 |
| 23 | 15 | 34 | 15 | 35 | 16 | 32 | 15 | 34 | 15 | 37 | 15 | 37 | 16 | 33 | 17 | 39 | 17 | 41 | 17 | 42 | 17 | 43 | 17 | 43 | 18 | 48 |
| 24 | 29 | 26 | 27 | 17 | 25 | 24 | 27 | 20 | 24 | 20 | 24 | 17 | 22 | 22 | 22 | 21 | 21 | 27 | 21 | 27 | 20 | 30 | 19 | 36 | 19 | 36 |
| 25 | 21 | 48 | 23 | 37 | 25 | 24 | 25 | 20 | 27 | 23 | 27 | 27 | 27 | 31 | 27 | 31 | 24 | 29 | 26 | 35 | 26 | 28 | 28 | 29 | 26 | 31 |
| 26 | 30 | 15 | 28 | 17 | 29 | 13 | 26 | 13 | 28 | 13 | 25 | 6·5 | 25 | 8·5 | 26 | 7·5 | 21 | 12 | 22 | 16 | 20 | 20 | 20 | 24 | 20 | 28 |
| 27 | 21 | 36 | 22 | 28 | 24 | 21 | 27 | 18 | 26 | 17 | 26 | 16 | 26 | 11 | 26 | 12 | 26 | 17 | 28 | 17 | 27 | 16 | 27 | 11 | 24 | 16 |
| 28 | 16 | 50 | 19 | 53 | 19 | 57 | 21 | 51 | 23 | 41 | 24 | 38 | 23 | 40 | 24 | 40 | 25 | 33 | 25 | 36 | 25 | 39 | 25 | 41 | 24 | 43 |
| 29 | 26 | 40 | 26 | 36 | 27 | 37 | 26 | 37 | 23 | 36 | 25 | 34 | 23 | 38 | 23 | 42 | 23 | 47 | 23 | 46 | 24 | 46 | 24 | 44 | 24 | 41 |
| 30 | 22 | 51 | 22 | 55 | 22 | 60 | 23 | 58 | 27 | 42 | 28 | 36 | 30 | 31 | 29 | 29 | 29 | 28 | 29 | 28 | 30 | 26 | 29 | 26 | 28 | 27 |
| 31 | 27 | 45 | 27 | 2 | 22 | 11 | 21 | 18 | 20 | 19 | 18 | 17 | 15 | 34 | 15 | 30 | 23 | 26 | 23 | 24 | 23 | 28 | 23 | 26 | 24 | 29 |

## RAINFALL

GAUGE { HEIGHT ABOVE GROUND 2 FEET / HEIGHT ABOVE MEAN SEA LEVEL 11 FEET.

| DAYS. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | - | ·015 | ·001 | ·001 | ·001 | ·001 | ·001 | ·001 | ·001 | ·001 | - | - | ·005 | ·035 | ·010 | ·012 | ·026 | ·022 | ·003 | ·001 | ·001 | ·001 | ·001 | ·001 |
| 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 3 | - | - | - | ·042 | ·033 | ·007 | - | ·008 | ·092 | ·050 | ·023 | - | - | ·020 | - | - | - | ·005 | ·003 | ·070 | ·044 | ·005 | ·013 | ·007 |
| 4 | ·092 | - | - | ·133 | ·025 | - | - | - | - | ·005 | - | - | ·030 | ·005 | - | ·030 | ·015 | - | ·050 | ·025 | ·005 | ·052 | ·033 | - |
| 5 | - | - | - | ·035 | ·002 | ·002 | - | ·043 | ·030 | ·002 | ·007 | ·003 | ·002 | ·002 | ·023 | - | ·008 | - | ·010 | - | - | - | - | - |
| 6 | - | - | ·007 | ·020 | ·005 | ·005 | - | ·003 | ·010 | ·007 | ·200 | ·115 | ·010 | ·052 | - | - | ·005 | ·068 | ·020 | ·080 | ·055 | ·003 | ·007 | - |
| 7 | - | - | - | - | ·050 | ·010 | - | - | ·130 | ·220 | ·165 | ·012 | ·003 | ·005 | ·015 | ·008 | ·001 | ·001 | ·001 | ·001 | ·001 | ·001 | ·001 | - |
| 8 | - | - | ·012 | ·007 | ·038 | ·013 | ·022 | ·040 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 9 | - | - | ·015 | - | - | - | - | - | - | - | - | - | - | ·030 | ·012 | ·001 | ·001 | ·001 | ·001 | ·001 | ·001 | ·001 | ·001 | - |
| 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 11 | - | - | - | ·008 | ·007 | ·003 | ·009 | ·021 | - | - | - | - | - | ·012 | - | - | - | ·008 | ·060 | ·045 | ·185 | ·010 | ·002 | ·003 |
| 12 | ·001 | ·001 | ·001 | ·001 | ·001 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 13 | - | ·015 | ·040 | ·015 | ·042 | ·118 | ·100 | - | ·018 | ·025 | ·020 | - | ·005 | - | - | - | - | - | - | - | - | - | - | - |
| 14 | - | ·020 | ·175 | ·085 | ·095 | ·070 | ·020 | - | - | - | - | - | ·012 | - | ·003 | ·020 | - | ·045 | ·022 | - | - | ·028 | - | - |
| 15 | - | - | - | - | - | ·020 | ·047 | ·063 | ·017 | ·023 | ·015 | ·050 | - | - | - | - | - | - | - | - | - | - | - | - |
| 16 | - | - | - | ·003 | ·002 | ·003 | ·002 | ·005 | ·015 | ·032 | ·003 | ·012 | - | ·048 | - | ·014 | - | - | - | - | - | - | ·005 | - |
| 17 | - | - | - | - | - | ·060 | ·107 | ·025 | ·012 | ·006 | - | - | - | - | - | - | - | - | - | - | - | ·005 | ·010 | ·060 |
| 18 | ·027 | ·088 | ·080 | ·079 | ·081 | ·002 | - | - | ·010 | ·008 | ·003 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 19 | - | - | ·015 | ·015 | ·058 | ·092 | ·052 | ·018 | - | ·005 | ·010 | ·027 | ·008 | ·005 | ·004 | ·003 | - | - | - | - | ·020 | - | - | - |
| 20 | ·005 | ·005 | ·007 | ·005 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ·012 | ·003 |
| 21 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ·016 | ·002 | - | - | - |
| 22 | - | - | - | - | - | - | - | - | - | - | - | - | ·015 | - | ·002 | ·003 | ·035 | ·010 | - | - | - | ·005 | ·050 | ·045 |
| 23 | ·045 | ·003 | ·005 | ·030 | ·005 | ·003 | ·015 | ·030 | ·030 | ·070 | ·055 | ·032 | ·038 | ·072 | ·154 | ·002 | ·002 | ·050 | ·045 | ·067 | ·068 | ·020 | - | - |
| 24 | ·015 | ·003 | - | - | - | - | - | - | - | - | - | - | ·015 | ·015 | ·002 | ·050 | ·060 | ·110 | ·048 | ·100 | ·132 | ·105 | ·068 | - |
| 25 | ·010 | ·030 | ·050 | ·025 | - | - | - | - | - | - | ·015 | ·002 | ·003 | ·005 | - | ·002 | ·003 | ·025 | ·002 | - | ·010 | - | - | - |
| 26 | - | - | - | ·010 | - | - | - | - | - | ·020 | - | - | - | ·015 | ·025 | ·040 | ·025 | ·012 | ·022 | - | ·008 | ·050 | ·038 | ·032 |
| 27 | ·022 | ·028 | ·010 | ·002 | ·002 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ·020 | ·085 |
| 28 | ·145 | ·053 | ·048 | ·025 | ·005 | - | ·045 | ·005 | ·040 | ·025 | ·035 | - | ·005 | - | - | ·007 | - | ·016 | ·017 | ·027 | ·003 | ·001 | ·001 | ·001 |
| 29 | ·001 | ·001 | - | - | - | - | - | - | ·007 | ·003 | - | ·003 | ·005 | ·002 | - | - | - | - | ·005 | ·003 | ·002 | ·005 | - | ·003 |
| 30 | - | ·002 | ·050 | ·047 | ·073 | - | ·015 | ·007 | ·008 | - | - | - | - | - | - | ·003 | ·004 | ·018 | - | - | - | - | - | - |
| 31 | - | - | ·007 | ·006 | ·027 | ·065 | ·038 | ·062 | ·004 | ·006 | ·009 | ·013 | ·002 | ·005 | - | ·010 | - | ·002 | ·008 | - | - | - | - | - |

* Record defective or Instrument out of action. ** Obtained from reading of Standard * Approximate.

# HOURLY VALUES *January* 1877.

## AND VELOCITY IN MILES PER HOUR

| | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | MIDT | | DAYS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | |
| 1 | 20 | 3 | 20 | 4 | 16 | 3 | 15 | 4 | 15 | 5 | 16 | 6 | 14 | 6 | 7·5 | 6 | 2 | 6 | 4 | 6 | 3 | 1 |
| 2 | 15 | 9 | 26 | 8 | 20 | 8 | 19 | 6 | 24 | 10 | 39 | 10 | 20 | 9 | 25 | 10 | 41 | 9 | 42 | 9 | 40 | 2 |
| 3 | 37 | 15 | 33 | 15 | 32 | 14 | 33 | 14 | 32 | 14 | 38 | 14 | 40 | 14 | 40 | 14 | 46 | 16 | 42 | 15 | 39 | 3 |
| 4 | 26 | 21 | 26 | 21 | 24 | 22 | 21 | 22 | 24 | 23 | 26 | 23 | 29 | 22 | 29 | 23 | 31 | 22 | 32 | 23 | 28 | 4 |
| 5 | 21 | 25 | 14 | 22 | 12 | 23 | 27 | 24 | 23 | 24 | 23 | 24 | 19 | 23 | 21 | 24 | 17 | 22 | 23 | 19 | 23 | 5 |
| 6 | 36 | 16 | 39 | 16 | 35 | 16 | 31 | 18 | 24 | 17 | 33 | 20 | 47 | 20 | 54 | 20 | 56 | 20 | 51 | 20 | 53 | 6 |
| 7 | 60 | 21 | 50 | 22 | 50 | 22 | 47 | 21 | 47 | 21 | 43 | 21 | 43 | 22 | 40 | 21 | 34 | 21 | 33 | 20 | 32 | 7 |
| 8 | 15 | 23 | 15 | 21 | 14 | 20 | 16 | 20 | 9·5 | 19 | 14 | 19 | 14 | 19 | 10·5 | 19 | 9·5 | 18 | 9·5 | 18 | 5·5 | 8 |
| 9 | 11 | 24 | 10·5 | 24 | 8·5 | 26 | 9·5 | 24 | 12 | 22 | 7·5 | 23 | 11 | 21 | 12 | 20 | 13 | 18 | 13 | 19 | 12 | 9 |
| 10 | 4·5 | 16 | 4 | 16 | 4·5 | 16 | 2 | 16 | 4 | 16 | 4·5 | 16 | 4 | 16 | 3 | 16 | 10·5 | 16 | 9·5 | 16 | 9·6 | 10 |
| 11 | 17 | 24 | 13 | 22 | 16 | 21 | 20 | 19 | 24 | 19 | 26 | 19 | 28 | 29 | 19 | 31 | 17 | 30 | 21 | 29 | 21 | 11 |
| 12 | 10·5 | 31 | 7·5 | 29 | 6·5 | 29 | 4 | 29 | 3 | 29 | 2 | 29 | 8·5 | 29 | 12 | 17 | 10·5 | 15 | 17 | 17 | 27 | 12 |
| 13 | 10·5 | 24 | 9·5 | 24 | 9·5 | 24 | 7·5 | 19 | 11 | 19 | 12 | 18 | 16 | 16 | 23 | 17 | 26 | 16 | 33 | 15 | 39 | 13 |
| 14 | 30 | 27 | 29 | 26 | 27 | 26 | 29 | 25 | 28 | 27 | 26 | 28 | 25 | 26 | 23 | 27 | 18 | 27 | 21 | 26 | 14 | 14 |
| 15 | 26 | 24 | 20 | 23 | 21 | 24 | 22 | 25 | 21 | 25 | 17 | 25 | 23 | 24 | 20 | 23 | 17 | 22 | 20 | 21 | 19 | 15 |
| 16 | 24 | 22 | 27 | 24 | 17 | 24 | 12 | 25 | 13 | 25 | 10·5 | 25 | 4·5 | 25 | 4 | 25 | 8·5 | 25 | 4·5 | 17 | 8·5 | 16 |
| 17 | 22 | 20 | 18 | 22 | 18 | 19 | 15 | 18 | 15 | 17 | 24 | 17 | 32 | 16 | 35 | 16 | 40 | 16 | 45 | 16 | 46 | 17 |
| 18 | 14 | 23 | 8·5 | 23 | 8·5 | 21 | 7·5 | 21 | 4·5 | 24 | 2 | 24 | 4 | 24 | 2 | 24 | 3 | 24 | 2 | 24 | 3 | 18 |
| 19 | 27 | 27 | 26 | 26 | 20 | 26 | 12 | 25 | 16 | 25 | 15 | 22 | 21 | 21 | 15 | 23 | 15 | 22 | 15 | 22 | 17 | 19 |
| 20 | 35 | 19 | 38 | 18 | 39 | 19 | 43 | 19 | 43 | 19 | 41 | 19 | 43 | 19 | 41 | 19 | 40 | 18 | 40 | 18 | 40 | 20 |
| 21 | 25 | 19 | 21 | 19 | 15 | 19 | 17 | 18 | 16 | 18 | 15 | 18 | 16 | 17 | 10·5 | 17 | 9·5 | 14 | 7·5 | 14 | 7·5 | 21 |
| 22 | 26 | 15 | 29 | 15 | 31 | 15 | 26 | 16 | 28 | 15 | 29 | 15 | 31 | 16 | 30 | 15 | 33 | 15 | 33 | 15 | 31 | 22 |
| 23 | 50 | 18 | 39 | 19 | 44 | 18 | 43 | 20 | 35 | 22 | 33 | 25 | 30 | 26 | 16 | 27 | 27 | 27 | 23 | 25 | 24 | 23 |
| 24 | 36 | 17 | 33 | 17 | 39 | 17 | 40 | 16 | 42 | 17 | 45 | 17 | 46 | 17 | 39 | 18 | 49 | 20 | 51 | 21 | 46 | 24 |
| 25 | 36 | 27 | 32 | 26 | 30 | 29 | 30 | 29 | 28 | 30 | 24 | 26 | 22 | 29 | 24 | 29 | 25 | 28 | 17 | 28 | 20 | 25 |
| 26 | 30 | 19 | 28 | 20 | 31 | 19 | 35 | 18 | 30 | 19 | 38 | 19 | 38 | 20 | 37 | 20 | 37 | 19 | 41 | 20 | 37 | 26 |
| 27 | 13 | 24 | 9·5 | 25 | 8·5 | 25 | 4·5 | 25 | 4 | 18 | 14 | 18 | 17 | 17 | 25 | 16 | 30 | 17 | 39 | 17 | 45 | 27 |
| 28 | 43 | 25 | 38 | 24 | 37 | 25 | 39 | 25 | 41 | 26 | 49 | 26 | 42 | 26 | 44 | 27 | 40 | 27 | 37 | 27 | 33 | 28 |
| 29 | 41 | 24 | 37 | 24 | 37 | 23 | 36 | 23 | 36 | 23 | 38 | 23 | 40 | 22 | 39 | 22 | 42 | 22 | 49 | 22 | 45 | 29 |
| 30 | 27 | 27 | 26 | 29 | 21 | 29 | 18 | 29 | 17 | 28 | 16 | 29 | 14 | 30 | 11 | 29 | 11 | 29 | 8·5 | 27 | 7·5 | 30 |
| 31 | 27 | 24 | 28 | 24 | 29 | 24 | 27 | 24 | 30 | 24 | 28 | 23 | 27 | 23 | 28 | 23 | 26 | 23 | 22 | 23 | 23 | 31 |

## VAPOUR TENSION. *IN INCHES, BY CLAISHER'S TABLES 5TH EDITION*

| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT | DAYS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ·317 | ·316 | ·313 | ·295 | ·291 | ·272 | ·285 | ·260 | ·260 | ·284 | ·276 | ·262 | ·270 | ·249 | ·240 | ·233 | ·232 | ·218 | ·206 | ·194 | ·180 | ·177 | ·188 | 1 |
| 2 | ·172 | ·170 | ·176 | ·185 | ·173 | ·170 | ·163 | ·181 | ·180 | ·185 | ·186 | ·181 | ·179 | ·180 | ·168 | ·181 | ·200 | ·219 | ·227 | ·233 | ·237 | ·242 | ·250 | 2 |
| 3 | ·268 | ·276 | ·283 | ·278 | ·277 | ·284 | ·312 | ·341 | ·350 | * | ‡·344 | ‡·332 | ‡·333 | ·322 | ·321 | ·317 | ·320 | ·320 | ·323 | ·317 | ·307 | ‡·293 | ‡·318 | 3 |
| 4 | ‡·313 | ·323 | ·310 | ·307 | ‡·314 | ‡·324 | ‡·316 | ‡·316 | ·314 | ·321 | ‡·331 | ‡·313 | ‡·312 | ·313 | ·317 | ·305 | ·302 | ·299 | ·300 | ·276 | ·294 | ·287 | ·276 | 4 |
| 5 | ·260 | ·257 | ·260 | ·259 | ·226 | ‡·237 | ‡·250 | * | †·247 | ·262 | ·259 | ·247 | ·228 | ·221 | ·256 | ·234 | ·219 | ·213 | ·224 | ·207 | ·205 | ·224 | ·224 | 5 |
| 6 | ·233 | ·252 | ·258 | ·260 | ·281 | ·310 | ·318 | ·325 | ·323 | ·312 | ·326 | ·344 | ·338 | ·323 | ·298 | ·297 | ·278 | ·292 | ·315 | ·294 | ·272 | ·255 | ·244 | 6 |
| 7 | ·254 | ·250 | ·260 | ·259 | ·244 | ·249 | ·248 | ·276 | ·275 | ·272 | ·269 | ·290 | ·288 | ·280 | ·272 | ·272 | ·253 | ·279 | ·274 | ·292 | ·281 | ·293 | ·293 | 7 |
| 8 | ·282 | ·272 | ·282 | ·274 | ·278 | ·292 | ·291 | ·293 | ·304 | ·300 | ·315 | ·298 | ·300 | ·289 | ·288 | ·291 | ·293 | ·290 | ·291 | ·292 | ·287 | ·287 | ·282 | 8 |
| 9 | ·263 | ·283 | ·275 | ·273 | ·280 | ·274 | ·256 | ·270 | ·246 | ·265 | ·272 | ·278 | ·277 | ·275 | ·264 | ·250 | ·199 | ·213 | ·202 | ·217 | ·211 | ·220 | ·216 | 9 |
| 10 | ·209 | ·208 | ·204 | ·205 | ·217 | ·215 | ·217 | ·215 | ·216 | ·218 | ·229 | ·242 | ·230 | ·244 | ·236 | ·238 | ·230 | ·231 | ·216 | ·224 | ·232 | ·231 | ·236 | 10 |
| 11 | ·238 | ·257 | ·265 | ·267 | ·263 | ·248 | ·251 | ·241 | ·263 | ·256 | ·246 | ·254 | ·223 | ·226 | ·249 | ·266 | ·282 | ·287 | ·299 | ·274 | ·248 | ·213 | ·192 | 11 |
| 12 | ·203 | ·194 | ·187 | ·168 | ·178 | ·181 | ·199 | ·186 | ·203 | ·181 | ·187 | ·169 | ·189 | ·195 | ·189 | ·174 | ·174 | ·194 | ·191 | ·198 | ·192 | ·204 | ·208 | 12 |
| 13 | ·231 | ·261 | ·267 | ·292 | ·307 | ·329 | ·324 | ·296 | ·294 | ·311 | ·306 | ·291 | ·296 | ·308 | ·302 | ·288 | ·298 | ·282 | ·295 | ·310 | ·317 | ·320 | ·325 | 13 |
| 14 | ·337 | ·349 | ·359 | ·358 | ·335 | ·285 | ·282 | ·263 | ·238 | ·246 | ·213 | ·212 | ·194 | ·187 | ·204 | ·174 | ·196 | ·185 | ·205 | ·188 | ·199 | ·176 | ·182 | 14 |
| 15 | ·198 | ·196 | ·209 | ·229 | ·242 | ·263 | ·281 | ·305 | ·322 | ·335 | ·347 | ·329 | ·323 | ·276 | ·298 | ·297 | ·276 | ·268 | ·246 | ·243 | ·245 | ·266 | ·269 | 15 |
| 16 | ·298 | ·333 | ·365 | ·365 | ·367 | ·368 | ·372 | ·371 | ·369 | ·380 | ·373 | ·369 | ·346 | ·348 | ·302 | ·300 | ·257 | ·257 | ·254 | ·270 | ·265 | ·281 | ·271 | 16 |
| 17 | ·252 | ·255 | ·248 | ·255 | ·261 | ·260 | ·246 | ·234 | ·210 | ·209 | ·207 | ·206 | ·226 | ·214 | ·215 | ·233 | ·227 | ·227 | ·240 | ·241 | ·248 | ·268 | ·282 | 17 |
| 18 | ·305 | ·330 | ·341 | ·334 | ·272 | ·262 | ·272 | ·272 | ·287 | ·276 | ·266 | ·274 | ·258 | ·266 | ·257 | ·271 | ·275 | ·261 | ·260 | ·274 | ·266 | ·260 | ·257 | 18 |
| 19 | ·261 | ·265 | ·261 | ·258 | ·266 | ·275 | ·304 | ·284 | ·273 | ·268 | ·239 | ·239 | ·248 | ·218 | ·214 | ·228 | ·179 | ·187 | ·205 | ·214 | ·205 | ·220 | ·203 | 19 |
| 20 | ·209 | ·215 | ·214 | ·221 | ·218 | ·224 | ·226 | ·242 | ·246 | ·239 | ·247 | ·234 | ·237 | ·234 | ·243 | ·241 | ·254 | ·258 | ·258 | ·254 | ·276 | ·268 | ·278 | 20 |
| 21 | ·283 | ·292 | ·291 | ·290 | ·292 | ·288 | ·280 | ·281 | ·267 | ·271 | ·267 | ·275 | ·262 | ·268 | ·276 | ·293 | ·281 | ·284 | ·299 | ·285 | ·284 | ·281 | ·284 | 21 |
| 22 | ·283 | ·289 | ·289 | ·301 | ·305 | ·308 | ·311 | ·315 | ·311 | ·312 | ·319 | ·334 | ·336 | ·350 | ·335 | ·339 | ·338 | ·340 | ·338 | ·343 | ·344 | ·342 | ·342 | 22 |
| 23 | ·342 | ·340 | ·342 | ·345 | ·348 | ·354 | ·356 | ·362 | ·359 | ·356 | ·357 | ·354 | ·356 | ·332 | ·345 | ·326 | ·301 | ·282 | ·288 | ·254 | ·242 | ·239 | ·218 | 23 |
| 24 | ·211 | ·192 | ·166 | ·181 | ·182 | ·207 | ·201 | ·210 | ·229 | ·231 | ·242 | ·248 | ·245 | ·262 | ·270 | ·275 | ·279 | ·290 | ·297 | ·312 | ·331 | ·348 | ·356 | 24 |
| 25 | ·360 | ·307 | ·278 | ·261 | ·244 | ·208 | ·193 | ·194 | ·188 | ·205 | ·201 | ·186 | ·203 | ·171 | ·193 | ·188 | ·187 | ·191 | ·202 | ·191 | ·202 | ·202 | ·204 | 25 |
| 26 | ·210 | ·204 | ·195 | ·212 | ·208 | ·217 | ·206 | ·231 | ·243 | ·243 | ·243 | ·252 | ·262 | ·282 | ·292 | ·308 | ·306 | ·323 | ·317 | ·325 | ·340 | ·351 | ·354 | 26 |
| 27 | ·375 | ·383 | ·296 | ·274 | ·265 | ·283 | ·280 | ·271 | ·258 | ·256 | ·254 | ·263 | ·270 | ·275 | ·261 | ·270 | ·268 | ·283 | ·290 | ·295 | ·312 | ·308 | ·308 | 27 |
| 28 | ·361 | ·361 | ·363 | ·296 | ·253 | ·244 | * | ·236 | ·228 | ·220 | ·201 | ·203 | ·202 | ·202 | ·194 | ·191 | ·204 | ·185 | ·177 | ·152 | ·152 | ·168 | ·187 | 28 |
| 29 | ·164 | ·181 | ·185 | ·204 | ·198 | ·229 | ·236 | ·268 | ·281 | ·298 | ·299 | ·302 | ·294 | ·285 | ·279 | ·276 | ·307 | ·293 | ·294 | ·290 | ·287 | ·281 | ·286 | 29 |
| 30 | ·297 | ·323 | ·325 | ·262 | ·229 | ·222 | ·201 | ·207 | ·195 | ·197 | ·207 | ·216 | ·216 | ·216 | ·219 | ·234 | ·239 | ·227 | ·206 | ·209 | ·207 | ·223 | ·227 | 30 |
| 31 | ·233 | ·245 | ·250 | ·257 | ·267 | ·288 | ·299 | ·353 | ·361 | ·362 | ·367 | ·358 | ·367 | ·352 | ·348 | ·348 | ·344 | ·341 | ·331 | ·334 | ·325 | ·309 | ·302 | 31 |

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*116 Victoria Street, Westminster, S.W.*
**ROBERT H. SCOTT, Director.**

# ARMAGH OBSERVATORY LAT. 54°21′ N. LONG. 6°39′ W.

## BAROMETER.

| DAYS. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28·606 | 28·642 | 28·613 | 28·605 | 28·590 | 28·587 | 28·600 | 28·618 | 28·651 | 28·690 | 28·735 | 28·770 | 28·806 |
| 2 | 29·250 | 29·277 | 29·308 | 29·327 | 29·338 | 29·364 | 29·366 | 29·391 | 29·415 | 29·437 | 29·439 | 29·430 | 29·437 |
| 3 | 29·388 | 29·390 | 29·371 | 29·334 | 29·327 | 29·318 | 29·277 | 29·246 | 29·229 | 29·204 | 29·189 | 29·141 | 29·102 |
| 4 | 28·875 | 28·864 | 28·856 | 28·841 | 28·822 | 28·821 | 28·814 | 28·802 | 28·790 | 28·788 | 28·764 | 28·751 | 28·715 |
| 5 | ·675 | ·675 | ·678 | ·677 | ·676 | ·679 | ·698 | ·703 | ·716 | ·734 | ·738 | ·736 | ·708 |
| 6 | ·805 | ·821 | ·829 | ·834 | ·826 | ·817 | ·821 | ·820 | ·806 | ·785 | ·750 | ·711 | ·639 |
| 7 | ·300 | ·325 | ·372 | ·395 | ·404 | ·416 | ·430 | ·443 | ·461 | ·458 | 28·464 | 28·452 | 28·427 |
| 8 | 28·715 | 28·761 | 28·804 | 28·832 | 28·860 | 28·889 | 28·904 | 28·933 | 28·963 | 28·983 | 29·008 | 29·011 | 29·003 |
| 9 | 29·195 | 29·212 | 29·229 | 29·238 | 29·252 | 29·276 | 29·307 | 29·339 | 29·372 | 29·415 | ·457 | ·479 | ·500 |
| 10 | ·739 | ·754 | ·767 | ·768 | ·773 | ·779 | ·779 | ·798 | ·810 | ·813 | ·816 | ·802 | ·794 |
| 11 | ·733 | ·727 | ·709 | ·699 | ·694 | ·695 | ·690 | ·677 | ·668 | ·652 | ·647 | ·631 | ·626 |
| 12 | ·449 | ·441 | ·439 | ·446 | ·470 | ·491 | ·517 | ·549 | ·581 | ·617 | ·640 | ·657 | ·682 |
| 13 | ·753 | ·734 | ·722 | ·712 | ·688 | ·663 | ·647 | ·636 | ·617 | ·590 | ·567 | ·536 | ·522 |
| 14 | ·521 | ·490 | ·461 | ·408 | ·364 | ·311 | ·251 | ·206 | ·163 | ·144 | ·152 | ·181 | ·189 |
| 15 | ·563 | ·584 | ·605 | ·633 | ·648 | ·661 | ·665 | ·670 | ·674 | ·676 | ·674 | ·639 | ·590 |
| 16 | ·566 | ·558 | ·568 | ·558 | ·545 | ·533 | ·515 | ·501 | ·500 | ·484 | ·471 | ·442 | ·440 |
| 17 | ·508 | ·508 | ·504 | ·483 | ·470 | ·468 | ·446 | ·437 | ·415 | ·414 | ·412 | ·406 | ·413 |
| 18 | ·339 | ·298 | ·235 | ·183 | ·110 | ·066 | ·025 | ·031 | ·048 | ·060 | ·078 | ·085 | ·102 |
| 19 | ·241 | ·243 | ·235 | ·225 | ·186 | ·171 | ·141 | ·132 | ·100 | 29·049 | 29·041 | 29·018 | 29·029 |
| 20 | 29·774 | 29·800 | 29·818 | 29·843 | 29·880 | 29·901 | 29·924 | 29·950 | 29·974 | 30·000 | 30·019 | 30·023 | 30·026 |
| 21 | 30·068 | 30·066 | 30·066 | 30·071 | 30·082 | 30·083 | 30·088 | 30·095 | 30·111 | ·126 | ·134 | ·125 | ·128 |
| 22 | 30·204 | 30·239 | 30·239 | 30·226 | 30·230 | 30·234 | 30·233 | 30·232 | 30·232 | 30·229 | 30·220 | 30·206 | 30·176 |
| 23 | 29·973 | 29·952 | 29·931 | 29·919 | 29·894 | 29·873 | 29·856 | 29·839 | 29·812 | 29·786 | 29·749 | 29·701 | 29·662 |
| 24 | ·472 | ·513 | ·561 | ·620 | ·651 | ·669 | ·707 | ·748 | ·782 | ·787 | ·800 | ·783 | ·776 |
| 25 | ·255 | ·200 | ·163 | ·142 | ·178 | ·181 | ·224 | ·253 | ·282 | ·303 | ·317 | ·342 | ·363 |
| 26 | ·718 | ·745 | ·766 | ·791 | ·808 | ·826 | ·852 | ·879 | ·895 | ·918 | ·922 | ·925 | ·906 |
| 27 | ·616 | ·597 | ·590 | ·585 | ·621 | ·630 | ·664 | ·669 | ·711 | ·745 | ·760 | ·762 | ·780 |
| 28 | ·696 | ·648 | ·529 | ·432 | ·343 | ·290 | ·366 | ·385 | ·382 | ·407 | ·426 | ·453 | ·441 |
| 29 | ·592 | ·601 | ·632 | 29·666 | 29·660 | 29·660 | ·639 | ·641 | ·638 | ·616 | ·593 | ·576 | ·580 |
| 30 | ·208 | ·113 | ·012 | 28·888 | 28·899 | 28·952 | ·065 | ·158 | ·222 | ·269 | ·315 | ·363 | ·419 |
| 31 | 29·767 | 29·773 | 29·776 | 29·780 | 29·774 | 29·771 | 29·768 | 29·754 | 29·745 | 29·716 | 29·713 | 29·664 | 29·583 |

## DRY BULB THERMOMETER 4 FEET ABOVE GROUND.

| DAYS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 44·4 | 44·0 | 43·9 | 42·9 | 43·0 | 42·1 | 40·4 | 39·8 | 39·6 | 39·7 | 38·7 | 38·7 | 38·8 | 38·0 | 36·7 | 36·9 | 36·5 | 36·3 | 35·7 | 35·2 | 34·9 | 35·2 | 35·6 | 35·4 |
| 2 | 35·2 | 35·2 | 35·2 | 34·8 | 34·3 | 33·4 | 32·7 | 33·9 | 36·0 | 32·3 | 32·9 | 34·0 | 35·7 | 36·3 | 37·0 | 36·9 | 36·8 | 35·1 | 35·4 | 35·9 | 35·8 | 35·7 | 36·1 | 36·2 |
| 3 | 36·2 | 37·0 | 37·9 | 38·3 | 38·3 | 38·1 | 38·4 | 38·7 | 37·3 | 35·2 | 35·0 | 34·1 | 33·9 | 33·8 | 33·0 | 33·4 | 33·7 | 34·2 | 35·0 | 34·7 | 35·6 | 35·8 | 36·6 | 36·5 |
| 4 | 37·3 | 37·9 | 37·9 | 38·2 | 38·6 | 39·0 | 38·9 | 38·7 | 39·0 | 38·8 | 39·2 | 39·6 | 39·9 | 40·3 | 41·3 | 41·9 | 41·8 | 41·8 | 42·0 | 41·9 | 42·2 | 42·1 | 42·7 | 42·9 |
| 5 | 42·8 | 42·1 | 43·1 | 43·6 | 43·8 | 43·0 | 43·2 | 43·3 | 43·1 | 43·5 | 43·7 | 45·2 | 45·8 | 45·9 | 45·0 | 44·0 | 42·7 | 41·9 | 41·7 | 41·0 | 41·4 | 40·9 | 40·1 | 40·6 |
| 6 | 40·0 | 39·6 | 39·7 | 37·9 | 38·0 | 37·0 | 36·6 | 37·3 | 38·7 | 40·0 | 41·0 | 42·9 | 44·0 | 43·7 | 43·6 | 43·2 | 43·9 | 44·0 | 46·6 | 46·9 | 46·5 | 46·4 | 46·2 | 45·9 |
| 7 | 45·9 | 46·0 | 44·8 | 44·2 | 44·1 | 43·9 | 43·4 | 43·6 | 42·9 | 43·0 | 44·7 | 45·5 | 47·0 | 46·0 | 43·8 | 44·3 | 44·2 | 44·9 | 45·4 | 46·0 | 46·8 | 46·7 | 46·6 | 46·7 |
| 8 | 46·6 | 46·7 | 45·9 | 46·8 | 45·1 | 44·9 | 44·6 | 43·9 | 43·6 | 43·9 | 44·2 | 46·0 | 46·5 | 47·2 | 47·0 | 46·3 | 46·2 | 46·2 | 44·4 | 44·3 | 44·8 | 44·9 | 44·6 | 44·3 |
| 9 | 44·0 | 44·0 | 43·7 | 42·4 | 41·2 | 41·3 | 42·2 | 41·9 | 41·4 | 42·1 | 42·5 | 43·6 | 45·4 | 43·9 | 43·7 | 43·2 | 43·2 | 42·9 | 43·0 | 43·0 | 42·9 | 42·2 | 42·1 | 41·9 |
| 10 | 42·6 | 42·2 | 42·1 | 41·9 | 41·7 | 42·0 | 41·4 | 41·2 | 41·6 | 41·4 | 42·3 | 43·0 | 43·2 | 43·7 | 43·6 | 43·2 | 42·7 | 42·5 | 43·0 | 43·0 | 43·1 | 43·2 | 43·0 | 42·7 |
| 11 | 42·7 | 42·9 | 42·0 | 42·3 | 41·9 | 42·0 | 41·9 | 41·3 | 41·2 | 41·0 | 41·1 | 42·0 | 42·0 | 41·5 | 41·4 | 41·2 | 40·0 | 39·5 | 40·6 | 40·9 | 40·5 | 40·7 | 40·9 | 40·3 |
| 12 | 40·8 | 40·9 | 40·8 | 40·2 | 39·7 | 39·4 | 39·0 | 38·7 | 37·9 | 36·3 | 38·7 | 39·2 | 40·5 | 39·2 | 40·7 | 39·3 | 38·9 | 35·7 | 35·9 | 34·4 | 33·7 | 33·8 | 32·9 | 33·0 |
| 13 | 33·1 | 33·1 | 31·7 | 33·0 | 34·6 | 35·4 | 36·1 | 36·9 | 38·1 | 38·3 | 38·6 | 39·9 | 41·7 | 42·1 | 43·0 | 43·1 | 43·3 | 42·4 | 43·6 | 42·7 | 42·2 | 42·0 | 41·4 | 41·1 |
| 14 | 40·7 | 41·2 | 42·1 | 41·9 | 42·0 | 43·7 | 45·4 | 46·2 | 46·7 | 47·0 | 47·3 | 44·0 | 43·9 | 44·1 | 44·4 | 43·2 | 42·0 | 41·0 | 40·2 | 39·3 | 38·4 | 38·0 | 37·2 | 36·9 |
| 15 | 36·7 | 36·4 | 35·8 | 35·4 | 35·2 | 34·9 | 34·8 | 35·4 | 36·0 | 36·3 | 35·6 | 36·3 | 36·6 | 37·3 | 41·1 | 42·2 | 43·0 | 44·3 | 44·8 | 44·9 | 44·7 | 44·0 | 42·9 | 42·9 |
| 16 | 43·4 | 43·6 | 43·4 | 43·4 | 43·1 | --- | --- | * | - | - | - | 47·1 | 48·7 | 50·2 | 51·0 | 51·3 | 50·9 | 50·0 | 49·7 | 49·0 | 47·0 | 46·0 | 44·9 | 44·6 | 44·1 |
| 17 | 43·1 | 41·5 | 41·0 | 41·0 | 40·8 | 40·7 | 40·2 | 40·3 | 40·9 | 41·4 | 42·4 | 42·9 | 42·3 | 42·6 | 42·7 | 41·4 | 40·4 | 39·3 | 39·0 | 38·9 | 37·8 | 37·5 | 37·8 | 38·0 |
| 18 | 39·0 | 40·8 | 41·4 | 42·1 | 42·8 | 43·1 | 44·0 | 45·1 | 46·8 | 47·4 | 47·0 | 46·9 | 47·0 | 47·9 | 47·0 | 46·2 | 45·1 | 44·4 | 44·3 | 43·9 | 43·9 | 44·0 | 43·7 | 43·3 |
| 19 | 42·9 | 42·9 | 42·0 | 42·0 | 42·4 | 42·9 | 41·9 | 40·8 | 40·6 | 40·7 | 41·1 | 44·3 | 49·0 | 44·7 | 39·7 | 38·6 | 38·4 | 38·9 | 39·9 | 39·8 | 39·6 | 38·6 | 37·7 | 37·1 |
| 20 | 36·6 | 36·2 | 36·3 | 36·4 | 36·9 | 35·8 | 36·3 | 35·6 | 35·9 | 36·9 | 39·2 | 41·0 | 43·0 | 44·2 | 44·4 | 43·1 | 42·0 | 41·3 | 40·9 | 41·9 | 41·6 | 41·8 | 41·9 | 42·5 |
| 21 | 43·0 | 43·0 | 42·9 | 43·7 | 43·9 | 43·3 | 43·7 | 44·3 | 44·5 | 45·1 | 45·1 | 46·0 | 46·9 | 46·5 | 46·9 | 46·9 | 45·9 | 45·5 | 45·0 | 44·8 | 44·9 | 44·1 | 42·0 | 41·8 |
| 22 | 41·8 | 41·9 | 41·8 | 42·0 | 42·0 | 42·4 | 42·0 | 41·9 | 40·3 | 42·6 | 44·4 | 46·8 | 46·6 | 46·8 | 46·5 | 46·1 | 45·1 | 44·7 | 44·4 | 44·1 | 43·4 | 44·0 | 44·0 | 45·0 |
| 23 | 45·0 | 45·1 | 45·0 | 45·5 | 46·0 | 45·7 | 46·0 | 46·7 | 46·9 | 47·4 | 47·9 | 48·4 | 48·0 | 48·2 | 48·9 | 48·8 | 48·6 | 48·7 | 48·8 | 48·9 | 48·9 | 49·1 | 46·4 | 44·6 |
| 24 | 40·7 | 40·6 | 40·0 | 37·8 | 37·6 | 36·5 | 36·3 | 35·9 | 35·7 | 36·9 | 39·3 | 40·1 | 41·9 | 41·9 | 42·4 | 42·1 | 42·0 | 41·9 | 42·0 | 42·0 | 41·1 | 40·7 | 41·4 | 42·3 |
| 25 | 43·6 | 44·5 | 46·2 | 47·5 | 47·0 | 45·8 | 44·7 | 43·3 | 41·7 | 41·3 | 41·8 | 40·8 | 39·6 | 38·9 | 38·0 | 38·7 | 38·0 | 36·6 | 36·2 | 36·3 | 35·4 | 35·0 | 35·7 | 34·3 |
| 26 | 34·2 | 34·6 | 34·6 | 34·9 | 34·3 | 33·8 | 33·0 | 33·4 | 33·9 | 35·0 | 36·5 | 38·7 | 39·9 | 40·9 | 40·0 | 40·0 | 39·8 | 39·7 | 39·9 | 39·6 | 40·2 | 40·7 | 41·9 | 43·0 |
| 27 | 43·9 | 44·8 | 45·9 | 47·0 | 46·9 | 45·0 | 44·3 | 44·3 | 44·0 | 44·6 | 45·4 | 46·5 | 47·0 | 47·1 | 47·2 | 46·0 | 44·3 | 43·2 | 42·3 | 41·4 | 41·6 | 41·1 | 40·9 | 42·2 |
| 28 | 42·9 | 43·2 | 42·8 | 43·9 | 44·6 | 46·8 | 44·9 | 42·7 | 42·6 | 41·2 | 40·9 | 38·8 | 38·2 | 39·0 | 37·4 | 36·2 | 35·9 | 35·4 | 35·0 | 34·0 | 34·0 | 33·8 | 33·7 | 33·7 |
| 29 | 33·8 | 34·7 | 34·6 | 34·2 | 34·0 | 34·2 | 34·9 | 35·0 | 35·0 | 36·7 | 34·5 | 35·0 | 35·6 | 38·2 | 44·3 | 41·0 | 42·9 | 44·7 | 45·5 | 45·8 | 45·6 | 45·4 | 46·2 | 46·2 |
| 30 | 45·2 | 45·2 | 44·4 | 44·5 | 42·9 | 40·6 | 38·9 | 36·1 | 35·6 | 36·2 | 37·2 | 38·9 | 42·8 | 41·1 | 41·7 | 39·2 | 41·3 | 36·9 | 36·3 | 35·6 | 36·5 | 37·0 | 36·2 | 36·6 |
| 31 | 37·3 | 37·6 | 36·4 | 36·4 | 36·4 | 36·5 | 36·8 | 37·4 | 38·0 | 38·1 | 37·6 | 36·7 | 37·0 | 38·6 | 40·3 | 42·1 | 44·3 | 46·6 | 47·2 | 47·4 | 48·0 | 48·0 | 48·1 | 48·7 |

*Record defective or Instrument out of action

*Approximate

# HOURLY VALUES *January* 1877.

CISTERN ... 207 FEET ABOVE MEAN SEA LEVEL.

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. | | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 843 | 28·877 | 28·928 | 28·969 | 29·007 | 29·043 | 29·084 | 29·118 | 29·157 | 29·191 | 29·226 | | 1 |
| 441 | 29·444 | 29·441 | 29·437 | 29·446 | 29·444 | 29·439 | 29·433 | 29·430 | 29·425 | 29·411 | | 2 |
| 083 | 29·054 | 29·021 | 29·005 | 28·991 | 28·980 | 28·978 | 28·943 | 28·936 | 28·915 | 28·902 | | 3 |
| 697 | 28·686 | 28·680 | 28·676 | ·684 | ·683 | ·686 | ·686 | ·687 | ·684 | ·676 | | 4 |
| 734 | ·743 | ·759 | ·764 | ·775 | ·783 | ·791 | ·794 | ·805 | ·793 | ·800 | | 5 |
| 576 | ·513 | ·454 | ·373 | ·309 | ·295 | ·310 | ·308 | ·301 | ·292 | ·286 | | 6 |
| 403 | 28·387 | 28·402 | 28·434 | 28·470 | 28·507 | 28·553 | 28·565 | 28·601 | 28·643 | 28·677 | | 7 |
| 001 | 29·005 | 29·007 | 29·019 | 29·033 | 29·052 | 29·086 | 29·107 | 29·102 | 29·159 | 29·181 | | 8 |
| 522 | ·545 | ·562 | ·600 | ·616 | ·637 | ·656 | ·671 | ·685 | ·714 | ·702 | | 9 |
| 782 | ·771 | ·765 | ·762 | ·758 | ·760 | ·761 | ·767 | ·760 | ·753 | ·741 | | 10 |
| ·609 | ·592 | ·584 | ·558 | ·542 | ·529 | ·517 | ·499 | ·486 | ·475 | ·464 | | 11 |
| ·696 | ·715 | ·744 | ·765 | ·774 | ·793 | ·795 | ·792 | ·786 | ·779 | ·776 | | 12 |
| ·626 | ·531 | ·536 | ·547 | ·562 | ·573 | ·578 | ·574 | ·573 | ·567 | ·565 | | 13 |
| ·220 | ·247 | ·283 | ·314 | ·353 | ·382 | ·413 | ·442 | ·474 | ·498 | ·522 | | 14 |
| 529 | ·511 | ·510 | ·520 | ·513 | ·538 | ·569 | ·542 | ·567 | ·574 | ·566 | | 15 |
| ·432 | ·441 | ·455 | ·464 | ·473 | ·482 | ·505 | ·519 | ·525 | ·514 | ·508 | | 16 |
| ·421 | ·434 | ·450 | ·461 | ·472 | ·466 | ·463 | ·448 | ·440 | ·406 | ·380 | | 17 |
| ·109 | ·141 | ·160 | ·184 | ·193 | ·216 | ·224 | ·233 | ·246 | ·239 | ·237 | | 18 |
| ·067 | 29·158 | 29·249 | 29·361 | 29·442 | 29·516 | 29·565 | 29·618 | 29·666 | 29·704 | 29·741 | | 19 |
| ·031 | 30·030 | 30·044 | 30·049 | 30·059 | 30·074 | 30·088 | 30·087 | 30·082 | 30·063 | 30·075 | | 20 |
| ·123 | ·130 | ·125 | ·141 | ·152 | ·159 | ·170 | ·188 | ·215 | ·230 | 30·241 | | 21 |
| ·153 | 30·143 | 30·121 | 30·107 | 30·102 | 30·091 | 30·074 | 30·053 | 30·035 | 30·008 | 29·998 | | 22 |
| ·624 | 29·583 | 29·550 | 29·510 | 29·468 | 29·451 | 29·430 | 29·400 | 29·392 | 29·407 | ·403 | | 23 |
| ·749 | ·760 | ·739 | ·720 | ·697 | ·673 | ·620 | ·562 | ·485 | ·400 | ·352 | | 24 |
| ·391 | ·410 | ·452 | ·472 | ·504 | ·543 | ·584 | ·601 | ·625 | ·679 | ·698 | | 25 |
| ·874 | ·878 | ·861 | ·839 | ·825 | ·819 | ·788 | ·766 | ·710 | ·677 | ·649 | | 26 |
| ·802 | ·828 | ·854 | ·872 | ·877 | ·886 | ·878 | ·865 | ·865 | ·839 | ·768 | | 27 |
| ·437 | ·448 | ·442 | ·443 | ·456 | ·461 | ·456 | ·463 | ·488 | ·523 | ·559 | | 28 |
| ·543 | ·532 | ·507 | ·478 | ·482 | ·470 | ·455 | ·411 | ·369 | ·329 | ·286 | | 29 |
| ·450 | ·500 | ·537 | ·585 | ·619 | ·650 | ·677 | ·692 | ·725 | ·744 | ·756 | | 30 |
| ·342 | 29·509 | 29·491 | 29·488 | 29·490 | 29·504 | 29·511 | 29·512 | 29·529 | 29·541 | 29·557 | | 31 |

# WET BULB THERMOMETER 4 FEET ABOVE GROUND.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41·1 | 43·7 | 43·4 | 42·3 | 42·8 | 41·9 | 40·0 | 39·0 | 38·4 | 38·2 | 37·6 | 37·0 | 36·8 | 36·6 | 35·7 | 35·5 | 35·4 | 35·5 | 35·0 | 34·9 | 34·1 | 1350 | 36·0 | 34·9 | 1 |
| 44 | 34·9 | 34·8 | 34·0 | 33·7 | 32·9 | 32·0 | 32·2 | 32·4 | 31·6 | 32·0 | 33·0 | 34·0 | 34·6 | 36·2 | 34·3 | 34·0 | 33·0 | 33·1 | 33·0 | 33·1 | 33·0 | 33·2 | 33·9 | 2 |
| 2·9 | 33·7 | 34·6 | 36·3 | 36·0 | 34·9 | 36·1 | 36·2 | 34·7 | 34·3 | 34·1 | 33·3 | 33·1 | 33·1 | 32·7 | 32·9 | 32·9 | 33·6 | 34·1 | 33·9 | 34·9 | 36·1 | 35·9 | 35·9 | 3 |
| 6·7 | 37·0 | 37·0 | 37·6 | 38·0 | 38·3 | 38·4 | 38·1 | 38·3 | 38·3 | 39·0 | 39·3 | 39·7 | 40·2 | 41·2 | 41·8 | 41·6 | 41·6 | 42·0 | 41·8 | 42·0 | 42·0 | 42·5 | 42·8 | 4 |
| 2·7 | 42·0 | 43·0 | 43·3 | 43·3 | 43·3 | 42·6 | 42·4 | 42·0 | 42·1 | 42·3 | 43·2 | 43·2 | 43·4 | 42·8 | 42·1 | 41·0 | 40·3 | 40·0 | 39·7 | 40·0 | 39·6 | 38·9 | 38·9 | 5 |
| 8·4 | 38·1 | 38·1 | 37·0 | 36·9 | 36·9 | 35·0 | 35·7 | 36·7 | 37·5 | 38·9 | 41·0 | 42·7 | 42·3 | 42·0 | 42·4 | 43·0 | 43·3 | 45·5 | 45·2 | 44·2 | 44·2 | 44·0 | 44·2 | 6 |
| 4·6 | 43·7 | 42·0 | 41·9 | 41·9 | 41·7 | 41·1 | 40·9 | 40·0 | 40·0 | 41·8 | 42·7 | 43·4 | 43·6 | 42·3 | 42·9 | 43·0 | 43·4 | 43·9 | 44·2 | 44·2 | 44·0 | 43·7 | 44·0 | 7 |
| 3·8 | 43·9 | 43·3 | 43·2 | 43·0 | 43·0 | 42·8 | 42·1 | 41·6 | 42·0 | 42·6 | 43·9 | 44·2 | 45·0 | 45·0 | 44·4 | 44·9 | 44·6 | 43·9 | 43·7 | 44·0 | 44·1 | 44·0 | 43·8 | 8 |
| 3·4 | 43·2 | 42·9 | 41·7 | 40·9 | 40·9 | 41·7 | 41·0 | 40·9 | 41·5 | 41·9 | 42·8 | 44·0 | 42·9 | 42·9 | 42·8 | 42·8 | 42·4 | 42·5 | 42·6 | 42·5 | 42·0 | 41·8 | 41·5 | 9 |
| 1·9 | 42·0 | 41·9 | 41·4 | 41·1 | 41·3 | 40·9 | 40·7 | 41·3 | 41·2 | 42·0 | 42·6 | 42·9 | 43·0 | 43·0 | 42·5 | 42·0 | 42·0 | 42·4 | 42·5 | 42·1 | 42·0 | 41·6 | 41·3 | 10 |
| 1·2 | 41·1 | 40·7 | 40·4 | 40·0 | 39·8 | 39·3 | 39·2 | 39·1 | 39·1 | 39·2 | 39·8 | 39·4 | 38·9 | 38·7 | 38·3 | 37·5 | 37·0 | 38·0 | 39·0 | 39·0 | 39·0 | 39·7 | 39·2 | 11 |
| 9·5 | 39·4 | 39·9 | 39·6 | 39·0 | 38·7 | 38·7 | 37·8 | 36·4 | 35·8 | 37·7 | 38·0 | 38·2 | 37·8 | 38·7 | 37·6 | 36·8 | 34·6 | 35·0 | 33·9 | 32·9 | 32·8 | 32·0 | 32·0 | 12 |
| 1·9 | 32·0 | 30·9 | 31·7 | 32·8 | 33·3 | 33·9 | 34·0 | 34·9 | 36·4 | 37·6 | 39·0 | 40·4 | 41·0 | 42·0 | 42·3 | 42·6 | 41·9 | 42·9 | 41·9 | 41·6 | 41·4 | 40·9 | 40·6 | 13 |
| 0·0 | 40·1 | 40·4 | 40·1 | 40·6 | 42·0 | 44·2 | 45·1 | 45·6 | 46·0 | 46·5 | 43·0 | 42·8 | 43·0 | 42·6 | 40·9 | 40·0 | 39·0 | 38·5 | 37·6 | 36·9 | 36·4 | 36·0 | 36·8 | 14 |
| 5·4 | 35·7 | 35·0 | 34·4 | 33·9 | 34·0 | 33·8 | 34·0 | 34·7 | 34·7 | 34·8 | 35·3 | 35·7 | 36·2 | 40·0 | 41·3 | 42·4 | 43·7 | 44·0 | 44·0 | 44·0 | 43·3 | 42·2 | 43·3 | 15 |
| 42·7 | 42·4 | 42·0 | 41·7 | 41·4 | 41·0 | 40·9 | 41·7 | 42·7 | 44·7 | 46·5 | 47·9 | 49·4 | 50·0 | 49·9 | 49·3 | 48·7 | 48·0 | 47·8 | 46·2 | 46·0 | 43·1 | 42·4 | 41·8 | 16 |
| 41·0 | 39·7 | 39·4 | 39·8 | 39·9 | 40·0 | 39·6 | 39·2 | 39·1 | 39·8 | 41·1 | 41·9 | 41·5 | 41·6 | 41·1 | 40·1 | 39·0 | 38·0 | 36·9 | 36·8 | 36·1 | 35·9 | 35·8 | 35·0 | 17 |
| 36·6 | 37·5 | 38·3 | 39·2 | 41·0 | 41·8 | 42·0 | 44·0 | 46·0 | 46·2 | 45·4 | 45·0 | 46·0 | 45·7 | 45·0 | 44·3 | 43·3 | 43·0 | 42·6 | 42·2 | 42·0 | 42·7 | 42·2 | 42·0 | 18 |
| 42·0 | 41·9 | 41·2 | 40·7 | 41·0 | 41·1 | 40·9 | 40·3 | 40·4 | 40·7 | 40·0 | 43·7 | 46·7 | 43·1 | 38·4 | 37·2 | 37·4 | 37·9 | 38·9 | 38·8 | 38·2 | 37·1 | 36·2 | 35·6 | 19 |
| 35·0 | 34·9 | 34·9 | 34·9 | 34·4 | 34·3 | 33·9 | 34·0 | 34·1 | 34·0 | 36·7 | 37·9 | 39·5 | 40·6 | 40·6 | 39·9 | 39·2 | 39·0 | 38·9 | 39·2 | 39·0 | 39·0 | 39·1 | 39·8 | 20 |
| 40·0 | 40·3 | 40·7 | 41·7 | 42·0 | 42·1 | 42·4 | 42·9 | 43·0 | 43·8 | 43·4 | 43·9 | 44·6 | 44·7 | 44·4 | 44·1 | 43·7 | 43·2 | 42·6 | 42·7 | 42·9 | 43·0 | 41·3 | 41·3 | 21 |
| 41·1 | 41·2 | 41·0 | 41·0 | 41·3 | 41·8 | 40·9 | 41·3 | 39·7 | 41·7 | 43·3 | 44·9 | 44·8 | 44·7 | 44·4 | 44·2 | 43·3 | 42·8 | 42·7 | 42·0 | 41·1 | 42·0 | 42·0 | 43·2 | 22 |
| 43·6 | 43·7 | 43·5 | 44·0 | 44·2 | 44·2 | 44·7 | 46·0 | 46·2 | 45·8 | 46·6 | 46·7 | 46·9 | 47·1 | 47·1 | 47·1 | 47·0 | 47·0 | 47·2 | 46·9 | 47·3 | 47·2 | 44·0 | 43·4 | 23 |
| 39·7 | 39·7 | 39·1 | 36·9 | 36·8 | 35·7 | 36·5 | 36·0 | 34·6 | 35·3 | 36·6 | 37·2 | 39·0 | 39·0 | 39·6 | 39·2 | 39·1 | 39·2 | 39·4 | 39·4 | 39·0 | 38·9 | 39·8 | 40·8 | 24 |
| 42·2 | 43·4 | 46·4 | 46·7 | 46·9 | 44·6 | 42·9 | 41·7 | 39·3 | 39·1 | 39·1 | 38·8 | 37·8 | 36·9 | 36·1 | 36·9 | 35·9 | 35·0 | 34·6 | 35·0 | 34·2 | 33·9 | 34·0 | 33·6 | 25 |
| 33·0 | 33·9 | 33·5 | 33·9 | 33·4 | 32·9 | 32·2 | 32·7 | 32·9 | 33·5 | 35·1 | 36·9 | 37·8 | 38·4 | 38·0 | 38·0 | 37·9 | 37·9 | 38·0 | 38·2 | 39·1 | 39·9 | 41·0 | 42·2 | 26 |
| 43·2 | 44·2 | 45·3 | 46·4 | 46·3 | 43·2 | 42·8 | 42·6 | 42·7 | 42·9 | 42·5 | 42·7 | 43·2 | 40·4 | 43·2 | 42·7 | 41·8 | 40·9 | 40·1 | 39·2 | 39·0 | 38·8 | 38·7 | 39·2 | 27 |
| 39·6 | 40·2 | 41·5 | 42·3 | 43·7 | 45·9 | 42·6 | 39·9 | 39·8 | 39·5 | 39·2 | 37·6 | 37·2 | 36·8 | 36·9 | 36·9 | 34·0 | 33·8 | 33·2 | 32·9 | 32·3 | 32·5 | 32·9 | | 28 |
| 30·0 | 30·0 | 30·1 | 30·0 | 30·3 | 30·0 | 33·4 | 34·0 | 34·9 | 35·7 | 33·9 | 34·4 | 35·0 | 37·7 | 39·7 | 40·4 | 42·2 | 43·9 | 44·0 | 43·9 | 40·7 | 43·7 | 43·8 | 43·3 | 29 |
| 43·7 | 40·8 | 40·2 | 40·6 | 41·9 | 39·4 | 37·1 | 35·2 | 34·8 | 35·0 | 36·1 | 36·9 | 39·1 | 38·2 | 37·7 | 37·3 | 37·3 | 36·2 | 34·9 | 34·7 | 35·0 | 35·3 | 36·1 | 36·3 | 30 |
| 35·7 | 36·0 | 35·4 | 35·6 | 35·6 | 35·7 | 35·7 | 36·0 | 36·3 | 36·9 | 36·8 | 35·9 | 36·0 | 37·6 | 39·7 | 41·8 | 44·0 | 46·4 | 47·1 | 47·3 | 47·8 | 47·9 | 48·0 | 47·9 | 31 |

*Meteorological Office.*
*11C, Victoria Street. Westminster. S.W.*

ROBERT H. SCOTT, Director.

# ARMAGH OBSERVATORY LAT: 54°21'N. LONG: 6°39'W.

## WIND

DIRECTION IN NUMBERS { 8=E 24=W / 16=S 32=N }

| DAYS | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | NOON | | 1 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V |
| 1 | 31 | 2 | 21 | 4 | 21 | 3 | 21 | 1·5 | 21 | 1·5 | 3 | 10·5 | 2 | 13 | 2 | 15 | 2 | 19 | 2 | 20 | 1 | 20 | 1 | 16 | 1 | 17 |
| 2 | 32 | 2 | 32 | 3 | 32 | 1·5 | 32 | 3 | 32 | 2 | 32 | 1·5 | 4 | 3 | 9 | 4 | 12 | 4·5 | 19 | 3 | 19 | 3 | 19 | 4 | 8 | 4·5 |
| 3 | 6 | 14 | 7 | 15 | 7 | 16 | 8 | 23 | 8 | 22 | 8 | 20 | 8 | 21 | 8 | 28 | 8 | 31 | 7 | 26 | 7 | 23 | 6 | 25 | 7 | 24 |
| 4 | 8 | 20 | 8 | 20 | 8 | 22 | 8 | 18 | 7 | 16 | 8 | 18 | 8 | 18 | 7 | 17 | 7 | 18 | 6 | 12 | 6 | 14 | 6 | 12 | 6 | 17 |
| 5 | 10 | 2 | 10 | 1·5 | 17 | 5·5 | 19 | 8·5 | 18 | 10·5 | 17 | 11 | 17 | 10·5 | 17 | 13 | 17 | 14 | 17 | 13 | 17 | 16 | 17 | 15 | 16 | 13 |
| 6 | 17 | 9·5 | 17 | 13 | 18 | 14 | 18 | 6·5 | 17 | 5·5 | 17 | 10·5 | 17 | 10·5 | 15 | 13 | 13 | 8·5 | 13 | 12 | 10 | 11 | 9 | 11 | 10 | 18 |
| 7 | 16 | 27 | 16 | 25 | 16 | 22 | 16 | 20 | 16 | 23 | 15 | 21 | 16 | 22 | 16 | 23 | 16 | 26 | 15 | 27 | 15 | 31 | 15 | 27 | 15 | 32 |
| 8 | 18 | 33 | 18 | 30 | 18 | 27 | 18 | 26 | 18 | 20 | 17 | 19 | 17 | 17 | 17 | 15 | 17 | 17 | 17 | 14 | 16 | 16 | 16 | 14 | 17 | 13 |
| 9 | 19 | 5·5 | 17 | 8·5 | 17 | 7·5 | 17 | 4·5 | 17 | 3 | 17 | 6·5 | 17 | 4·5 | 17 | 5·5 | 18 | 4·5 | 17 | 4·5 | 17 | 4 | 17 | 4 | 18 | 7·5 |
| 10 | 18 | 4 | 18 | 3 | 18 | 2 | 18 | 1·5 | 7 | 2 | 7 | 3 | 8 | 4 | 8 | 4·5 | 8 | 4 | 4 | 3 | 4 | 4·5 | 6 | 7·5 | 6 | 7·5 |
| 11 | 10 | 8·5 | 11 | 8·5 | 10 | 4·5 | 11 | 6·5 | 10 | 5·5 | 10 | 8·5 | 11 | 9·5 | 11 | 13 | 12 | 14 | 12 | 15 | 13 | 13 | 13 | 12 | 13 | 13 |
| 12 | 15 | 12 | 16 | 10·5 | 16 | 10·5 | 17 | 6·5 | 24 | 5·5 | 26 | 6·6 | 24 | 6·5 | 25 | 6·5 | 27 | 7·5 | 26 | 4·5 | 25 | 6·5 | 25 | 7·5 | 29 | 12 |
| 13 | 18 | 4·5 | 18 | 4 | 18 | 2 | 18 | 4·5 | 17 | 8·5 | 15 | 11 | 14 | 14 | 14 | 16 | 13 | 17 | 14 | 21 | 14 | 28 | 13 | 27 | 14 | 28 |
| 14 | 16 | 11 | 16 | 10·5 | 13 | 14 | 12 | 19 | 13 | 15 | 13 | 18 | 13 | 26 | 12 | 27 | 13 | 28 | 14 | 22 | 19 | 13 | 24 | 6·5 | 23 | 8·5 |
| 15 | 21 | 11 | 22 | 12 | 20 | 11 | 20 | 10·5 | 20 | 12 | 20 | 11 | 19 | 9·5 | 18 | 8·5 | 18 | 7·5 | 17 | 15 | 16 | 16 | 15 | 17 | 14 | 17 |
| 16 | 18 | 14 | 18 | 16 | 18 | 17 | 17 | 16 | 17 | 20 | 17 | 20 | 17 | 24 | 16 | 25 | 16 | 21 | 16 | 25 | 16 | 26 | 17 | 22 | 17 | 23 |
| 17 | 18 | 7·5 | 17 | 8·5 | 16 | 8·5 | 16 | 9·5 | 16 | 11 | 15 | 11 | 16 | 11 | 15 | 10·5 | 15 | 18 | 15 | 15 | 17 | 17 | 18 | 13 | 21 | 10·5 |
| 18 | 15 | 20 | 14 | 25 | 14 | 32 | 14 | 30 | 14 | 32 | 14 | 35 | 15 | 37 | 16 | 29 | 16 | 28 | 16 | 16 | 17 | 12 | 17 | 11 | 18 | 11 |
| 19 | 17 | 3 | 17 | 1·5 | 17 | 2 | 17 | 2 | 12 | 4·5 | 11 | 8·6 | 8 | 6·5 | 5 | 6·5 | 4 | 5·5 | 3·2 | 6·5 | 2 | 4 | 19 | 13 | 18 | 23 |
| 20 | 19 | 14 | 19 | 12 | 18 | 13 | 18 | 11 | 17 | 8·5 | 17 | 10·5 | 17 | 10·5 | 17 | 11 | 17 | 9·5 | 17 | 12 | 17 | 16 | 17 | 17 | 17 | 13 |
| 21 | 17 | 24 | 17 | 22 | 18 | 22 | 18 | 22 | 17 | 20 | 18 | 16 | 18 | 18 | 18 | 21 | 18 | 20 | 18 | 19 | 18 | 20 | 19 | 22 | 19 | 21 |
| 22 | 19 | 2 | 18 | 2 | 18 | 2 | 17 | 3 | 17 | 2 | 17 | 1·5 | 17 | 3 | 17 | 1·5 | 15 | 3 | 15 | 7·5 | 14 | 8·5 | 13 | 12 | 15 | 12 |
| 23 | 15 | 22 | 15 | 21 | 15 | 18 | 16 | 16 | 13 | 20 | 16 | 20 | 15 | 19 | 14 | 23 | 15 | 23 | 15 | 18 | 16 | 23 | 16 | 29 | 16 | 30 |
| 24 | 26 | 10·5 | 23 | 11 | 23 | 11 | 24 | 10·5 | 20 | 10·5 | 20 | 13 | 20 | 12 | 20 | 14 | 19 | 16 | 18 | 10·5 | 18 | 14 | 17 | 13 | 19 | 16 |
| 25 | 15 | 37 | 15 | 31 | 16 | 34 | 17 | 25 | 20 | 19 | 20 | 15 | 22 | 13 | 21 | 17 | 21 | 18 | 21 | 15 | 21 | 17 | 21 | 17 | 22 | 18 |
| 26 | 20 | 11 | 22 | 9·5 | 21 | 11 | 22 | 10·5 | 21 | 11 | 20 | 10·5 | 18 | 9·5 | 19 | 8·5 | 18 | 10·5 | 18 | 9·5 | 17 | 9·5 | 19 | 9·5 | 18 | 10·5 |
| 27 | 17 | 24 | 17 | 24 | 18 | 24 | 19 | 21 | 21 | 16 | 22 | 14 | 21 | 15 | 20 | 20 | 20 | 19 | 21 | 14 | 21 | 17 | 22 | 16 | 21 | 18 |
| 28 | 15 | 21 | 15 | 21 | 15 | 32 | 15 | 30 | 16 | 37 | 17 | 33 | 22 | 18 | 21 | 16 | 20 | 19 | 21 | 22 | 21 | 20 | 20 | 20 | 20 | 21 |
| 29 | 21 | 14 | 22 | 19 | 20 | 18 | 20 | 12 | 21 | 18 | 20 | 19 | 20 | 20 | 20 | 23 | 20 | 22 | 20 | 22 | 19 | 17 | 19 | 7·5 | 20 | 8·5 |
| 30 | 20 | 29 | 20 | 34 | 19 | 41 | 19 | 40 | 23 | 28 | 24 | 26 | 28 | 22 | 25 | 18 | 26 | 17 | 25 | 18 | 23 | 22 | 25 | 21 | 28 | 18 |
| 31 | 23 | 9·5 | 23 | 10·5 | 21 | 9·5 | 20 | 10·5 | 20 | 9·5 | 20 | 6·5 | 18 | 9·5 | 18 | 9·5 | 17 | 10·5 | 17 | 13 | 16 | 12 | 16 | 14 | 15 | 21 |

## RAINFALL

GAUGE { HEIGHT ABOVE GROUND 2 FEET / HEIGHT ABOVE MEAN SEA LEVEL 204 FEET.

| DAYS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Total for the next 24 hours = ·102 | | | | | | | | | | | | Rain-gauge out of order. | | | | | | | | | | | |
| 2 | | | | | | | | | | ·013 | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | ·556 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | ·348 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | ·010 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | ·415 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | ·322 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | ·047 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | ·053 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | - | - | - | - | - | - | - | - | - | - | - | ·020 | - | - | - |
| 11 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 12 | - | - | ·010 | ·020 | ·040 | ·010 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 13 | - | - | - | - | - | - | - | - | - | ·010 | ·010 | ·010 | - | - | - | - | - | - | - | - | - | - | - | ·010 |
| 14 | - | - | - | - | - | - | ·020 | ·030 | ·100 | ·080 | ·130 | ·010 | - | - | - | - | - | - | - | - | - | - | - | - |
| 15 | ·010 | - | - | - | - | - | - | - | - | - | ·020 | ·010 | ·010 | ·020 | - | - | - | - | - | - | - | - | - | - |
| 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ·030 | - | - | - | - |
| 17 | - | - | - | - | - | - | - | - | - | - | - | - | ·020 | - | - | - | - | - | - | - | - | ·130 | - | - |
| 18 | --- | --- | --- | --- | - | - | --- | --- | --- | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - |
| 19 | - | - | - | - | - | - | ·030 | ·080 | ·060 | ·080 | ·120 | ·100 | - | - | ·030 | - | - | - | - | ·010 | - | - | - | - |
| 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 21 | - | - | - | - | ·020 | ·010 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ·020 | - |
| 22 | - | - | - | --- | --- | --- | - | --- | --- | --- | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 23 | - | - | - | - | - | - | - | - | - | - | - | - | ·030 | ·010 | ·010 | ·010 | ·040 | ·010 | ·010 | ·010 | ·010 | - | ·010 | ·010 |
| 24 | ·030 | ·010 | - | ·030 | ·020 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ·010 | ·010 |
| 25 | ·040 | ·010 | ·010 | ·010 | ·050 | ·010 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 26 | - | - | - | - | - | - | - | - | - | ·010 | ·020 | - | - | - | - | - | - | - | - | ·010 | ·010 | ·010 | ·010 | ·010 |
| 27 | ·030 | ·020 | ·020 | ·010 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 28 | - | - | ·090 | ·050 | ·060 | ·030 | ·040 | - | - | - | ·100 | ·020 | ·030 | - | - | - | - | - | - | - | - | - | - | - |
| 29 | - | - | - | - | - | - | - | - | - | ·060 | ·130 | ·040 | - | - | ·010 | ·030 | ·040 | ·020 | ·030 | - | - | - | - | - |
| 30 | - | - | ·040 | ·080 | ·130 | ·010 | ·020 | ·020 | ·020 | ·020 | - | - | - | ·020 | - | - | - | - | - | - | - | - | - | - |
| 31 | - | - | - | - | - | - | - | - | - | - | ·060 | ·060 | ·060 | ·070 | ·030 | ·040 | ·020 | ·010 | - | - | - | ·010 | ·010 | - |

‖ Record defective or instrument out of action. * Obtained from reading of Standard ‡ Approximate.

# HOURLY VALUES ..... January ..... 1877.

## AND VELOCITY IN MILES PER HOUR

| | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | MIDT. | | DAYS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | |
| 1 | 15 | 32 | 12 | 32 | 10·5 | 1 | 9·5 | 1 | 6·5 | 1 | 3 | 32 | 4 | 32 | 2 | 32 | 2 | 32 | 2 | 32 | 3 | 1 |
| 2 | 4·5 | 5 | 4·5 | 8 | 10·5 | 9 | 15 | 8 | 10·5 | 8 | 10·5 | 6 | 12 | 7 | 11 | 5 | 13 | 6 | 11 | 6 | 14 | 2 |
| 3 | 22 | 6 | 19 | 6 | 27 | 6 | 27 | 6 | 27 | 7 | 23 | 7 | 24 | 7 | 21 | 7 | 22 | 7 | 22 | 8 | 21 | 3 |
| 4 | 13 | 7 | 11 | 7 | 10·5 | 6 | 7·5 | 7 | 4·5 | 6 | 3 | 5 | 3 | 8 | 6·5 | 8 | 6·5 | 9 | 4 | 10 | 3 | 4 |
| 5 | 13 | 17 | 10·5 | 16 | 9·5 | 17 | 10·5 | 17 | 11 | 17 | 11 | 17 | 10·5 | 17 | 11 | 17 | 7·5 | 18 | 10·5 | 17 | 11 | 5 |
| 6 | 20 | 9 | 20 | 8 | 23 | 8 | 22 | 7 | 19 | 15 | 24 | 15 | 21 | 14 | 22 | 13 | 20 | 14 | 19 | 15 | 20 | 6 |
| 7 | 36 | 16 | 37 | 17 | 33 | 17 | 31 | 18 | 31 | 18 | 33 | 18 | 29 | 17 | 34 | 18 | 37 | 18 | 36 | 18 | 35 | 7 |
| 8 | 9·5 | 16 | 9·5 | 15 | 6·5 | 15 | 6·5 | 15 | 2 | 15 | 1·5 | 17 | 4·5 | 18 | 8·5 | 19 | 7·5 | 20 | 8·5 | 19 | 9·5 | 8 |
| 9 | 5·5 | 19 | 3 | 19 | 3 | 12 | 2 | 18 | 3 | 18 | 4 | 18 | 3 | 18 | 2 | 18 | 3 | 18 | 3 | 18 | 4 | 9 |
| 10 | 8·5 | 5 | 9·5 | 7 | 12 | 6 | 11 | 7 | 12 | 8 | 12 | 8 | 7·5 | 9 | 15 | 9 | 12 | 9 | 10·5 | 9 | 10·5 | 10 |
| 11 | 15 | 13 | 12 | 13 | 14 | 13 | 11 | 13 | 10·5 | 14 | 12 | 14 | 15 | 14 | 18 | 16 | 17 | 14 | 14 | 15 | 15 | 11 |
| 12 | 6·5 | 27 | 10·5 | 32 | 7·5 | 29 | 7·5 | 28 | 5·5 | 27 | 3 | 22 | 3 | 22 | 3 | 19 | 4·5 | 18 | 4·5 | 18 | 5·5 | 12 |
| 13 | 25 | 16 | 18 | 16 | 15 | 17 | 10·5 | 17 | 7·5 | 17 | 8·5 | 17 | 8·5 | 17 | 8·5 | 17 | 7·5 | 17 | 7·5 | 17 | 8·5 | 13 |
| 14 | 10·5 | 22 | 10·5 | 24 | 11 | 23 | 9·5 | 24 | 13 | 23 | 14 | 24 | 12 | 21 | 11 | 22 | 11 | 21 | 13 | 23 | 9·5 | 14 |
| 15 | 23 | 15 | 28 | 16 | 22 | 16 | 19 | 16 | 18 | 17 | 14 | 17 | 10·5 | 17 | 8·5 | 18 | 6·5 | 19 | 4·5 | 18 | 13 | 15 |
| 16 | 20 | 19 | 20 | 18 | 14 | 18 | 15 | 18 | 12 | 19 | 12 | 21 | 8·5 | 20 | 10·5 | 20 | 9·5 | 19 | 6·5 | 18 | 5·5 | 16 |
| 17 | 9·5 | 20 | 9·5 | 20 | 7·5 | 19 | 7·5 | 18 | 7·5 | 17 | 10·5 | 17 | 13 | 17 | 14 | 16 | 14 | 16 | 13 | 14 | 17 | 17 |
| 18 | 14 | 19 | 11 | 18 | 8·5 | 19 | 8·5 | 18 | 6·5 | 18 | 7·5 | 18 | 5·5 | 18 | 5·5 | 18 | 6·5 | 18 | 5·5 | 17 | 5·5 | 18 |
| 19 | 15 | 25 | 12 | 26 | 13 | 24 | 10·5 | 21 | 10·5 | 20 | 13 | 20 | 14 | 20 | 16 | 19 | 18 | 19 | 15 | 19 | 19 | 19 |
| 20 | 17 | 17 | 17 | 16 | 17 | 16 | 22 | 16 | 20 | 16 | 18 | 16 | 21 | 16 | 20 | 16 | 26 | 16 | 23 | 17 | 27 | 20 |
| 21 | 21 | 19 | 20 | 19 | 21 | 19 | 19 | 19 | 20 | 19 | 22 | 19 | 21 | 19 | 15 | 20 | 10·5 | 26 | 2 | 26 | 1·5 | 21 |
| 22 | 11 | 14 | 14 | 14 | 13 | 14 | 19 | 14 | 20 | 14 | 18 | 14 | 17 | 14 | 17 | 14 | 18 | 14 | 25 | 15 | 21 | 22 |
| 23 | 25 | 15 | 28 | 16 | 30 | 16 | 32 | 16 | 36 | 16 | 34 | 16 | 28 | 16 | 28 | 17 | 22 | 18 | 15 | 18 | 15 | 23 |
| 24 | 17 | 18 | 15 | 18 | 16 | 17 | 16 | 16 | 17 | 16 | 17 | 15 | 21 | 15 | 31 | 14 | 31 | 14 | 35 | 14 | 35 | 24 |
| 25 | 16 | 21 | 12 | 22 | 12 | 23 | 12 | 21 | 14 | 22 | 11 | 24 | 6·5 | 20 | 9·5 | 21 | 10·5 | 23 | 11 | 22 | 8·5 | 25 |
| 26 | 10·5 | 17 | 11 | 17 | 13 | 16 | 14 | 16 | 17 | 16 | 16 | 16 | 21 | 16 | 27 | 16 | 26 | 16 | 29 | 16 | 27 | 26 |
| 27 | 17 | 23 | 18 | 22 | 12 | 20 | 11 | 20 | 12 | 21 | 11 | 18 | 10·5 | 18 | 11 | 17 | 15 | 17 | 12 | 17 | 19 | 27 |
| 28 | 24 | 21 | 23 | 19 | 21 | 20 | 22 | 19 | 22 | 20 | 23 | 20 | 17 | 22 | 12 | 21 | 19 | 20 | 19 | 22 | 12 | 28 |
| 29 | 12 | 21 | 15 | 20 | 15 | 20 | 21 | 21 | 27 | 21 | 31 | 21 | 28 | 20 | 26 | 20 | 27 | 20 | 26 | 20 | 26 | 29 |
| 30 | 17 | 26 | 19 | 25 | 12 | 28 | 13 | 26 | 8·5 | 25 | 6·5 | 21 | 9·5 | 22 | 10·5 | 24 | 10·5 | 22 | 6·5 | 22 | 9·5 | 30 |
| 31 | 20 | 17 | 15 | 17 | 13 | 19 | 14 | 20 | 15 | 20 | 15 | 19 | 16 | 21 | 15 | 20 | 14 | 21 | 16 | 21 | 15 | 31 |

## VAPOUR TENSION. IN INCHES, BY GLAISHER'S TABLES, 5TH EDITION.

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ·281 | ·275 | ·263 | ·273 | ·264 | ·242 | ·228 | ·219 | ·214 | ·213 | ·202 | ·197 | ·201 | ·198 | ·192 | ·195 | ‡·199 | ·196 | ·200 | ·187 | ‡·202 | ·197 | ·198 | 1 |
| ·200 | ·198 | ·186 | ·186 | ·182 | ·172 | ·161 | ·154 | ·168 | ·168 | ·176 | ·178 | ·183 | ·186 | ·171 | ·167 | ·163 | ·164 | ·159 | ·161 | ·160 | ·162 | ·171 | 2 |
| ·160 | ·166 | ·175 | ·170 | ·170 | ·171 | ·170 | ·174 | ·188 | ·186 | ·181 | ·179 | ·180 | ·182 | ·181 | ·178 | ·184 | ·186 | ·186 | ·195 | ·197 | ·203 | ·204 | 3 |
| ·209 | ·209 | ·218 | ·223 | ·224 | ·227 | ·223 | ·224 | ·228 | ·236 | ·237 | ·242 | ·246 | ·254 | ·264 | ·260 | ·260 | ·267 | ·264 | ·265 | ·266 | ·270 | ·274 | 4 |
| ·266 | ·276 | ·277 | ·274 | ·272 | ·266 | ·260 | ·254 | ·251 | ·254 | ·255 | ·250 | ·253 | ·249 | ·246 | ·237 | ·232 | ·228 | ·229 | ·231 | ·228 | ·223 | ·217 | 5 |
| ·213 | ·212 | ·209 | ·206 | ·198 | ·186 | ·192 | ·197 | ·198 | ·213 | ·235 | ·259 | ·254 | ·248 | ·262 | ·266 | ·272 | ·292 | ·281 | ·263 | ·264 | ·263 | ·270 | 6 |
| ·259 | ·235 | ·240 | ·241 | ·239 | ·232 | ·226 | ·216 | ·215 | ·232 | ·242 | ·241 | ·257 | ·252 | ·259 | ·260 | ·263 | ·269 | ·269 | ·259 | ·257 | ·252 | ·257 | 7 |
| ·253 | ·251 | ·250 | ·252 | ·254 | ·254 | ·247 | ·240 | ·245 | ·255 | ·263 | ·263 | ·273 | ·275 | ·270 | ·283 | ·287 | ·281 | ·282 | ·278 | ·278 | ·280 | ·279 | 8 |
| ·270 | ·267 | ·256 | ·253 | ·251 | ·258 | ·246 | ·250 | ·255 | ·259 | ·266 | ·271 | ·264 | ·267 | ·271 | ·271 | ·265 | ·266 | ·268 | ·267 | ·265 | ·262 | ·257 | 9 |
| ·265 | ·264 | ·255 | ·251 | ·252 | ·250 | ·248 | ·257 | ·257 | ·263 | ·268 | ·273 | ·269 | ·270 | ·264 | ·259 | ·261 | ·264 | ·266 | ·256 | ·253 | ·247 | ·244 | 10 |
| ·237 | ·239 | ·230 | ·226 | ·221 | ·213 | ·217 | ·215 | ·217 | ·218 | ·221 | ·214 | ·209 | ·207 | ·201 | ·198 | ·194 | ·206 | ·216 | ·220 | ·218 | ·230 | ·227 | 11 |
| ·224 | ·235 | ·237 | ·230 | ·227 | ·232 | ·217 | ·198 | ·204 | ·215 | ·216 | ·206 | ·212 | ·213 | ·207 | ·196 | ·189 | ·194 | ·189 | ·178 | ·174 | ·168 | ·167 | 12 |
| ·166 | ·160 | ·161 | ·165 | ·167 | ·172 | ·166 | ·170 | ·177 | ·214 | ·227 | ·236 | ·244 | ·255 | ·261 | ·265 | ·260 | ·268 | ·257 | ·256 | ·254 | ·250 | ·249 | 13 |
| ·235 | ·232 | ·228 | ·237 | ·247 | ·276 | ·287 | ·290 | ·298 | ·307 | ·265 | ·262 | ·264 | ·252 | ·230 | ·225 | ·215 | ·215 | ·207 | ·202 | ·197 | ·198 | ·197 | 14 |
| ·202 | ·195 | ·188 | ·180 | ·185 | ·182 | ·180 | ·188 | ·185 | ·193 | ·195 | ·199 | ·201 | ·234 | ·250 | ·264 | ·277 | ·278 | ·276 | ·279 | ·272 | ·260 | ·270 | 15 |
| ·257 | ·251 | ·248 | ‡·244 | ... | * | * | ... | ‡·281 | ·310 | ·324 | ·343 | ·348 | ·342 | ·332 | ·327 | ·313 | ·317 | ·303 | ·287 | ·256 | ·245 | ·239 | 16 |
| ·224 | ·223 | ·231 | ·235 | ·239 | ·237 | ·227 | ·218 | ·227 | ·243 | ·254 | ·253 | ·251 | ·239 | ·233 | ·222 | ·215 | ·197 | ·196 | ·194 | ·193 | ·189 | ·188 | 17 |
| ·191 | ·199 | ·210 | ·236 | ·250 | ·265 | ·274 | ·301 | ·298 | ·284 | ·276 | ·275 | ·279 | ·275 | ·270 | ·259 | ·260 | ·253 | ·249 | ·248 | ·259 | ·251 | ·252 | 18 |
| ·254 | ·249 | ·239 | ·241 | ·237 | ·244 | ·244 | ·249 | ·254 | ·254 | ·276 | ·291 | ·259 | ·218 | ·207 | ·212 | ·217 | ·225 | ·224 | ·215 | ·205 | ·197 | ·192 | 19 |
| ·188 | ·188 | ·187 | ·183 | ·182 | ·179 | ·179 | ·178 | ·181 | ·192 | ·195 | ·206 | ·214 | ·211 | ·212 | ·211 | ·213 | ·214 | ·212 | ·210 | ·209 | ·210 | ·216 | 20 |
| ·221 | ·229 | ·241 | ·247 | ·254 | ·256 | ·259 | ·259 | ·270 | ·261 | ·263 | ·267 | ·274 | ·263 | ·256 | ·260 | ·252 | ·245 | ·249 | ·252 | ·264 | ·252 | ·254 | 21 |
| ·250 | ·247 | ·245 | ·252 | ·258 | ·243 | ·246 | ·237 | ·253 | ·267 | ·275 | ·276 | ·270 | ·268 | ·268 | ·259 | ·263 | ·254 | ·243 | ·232 | ·244 | ·244 | ·257 | 22 |
| ·267 | ·264 | ·270 | ·269 | ·272 | ·280 | ·279 | ·281 | ·288 | ·298 | ·298 | ·307 | ·310 | ·301 | ·302 | ·302 | ·301 | ·305 | ·297 | ·306 | ·302 | ·271 | ·267 | 23 |
| ·235 | ·228 | ·208 | ·209 | ·200 | ·199 | ·194 | ·189 | ·188 | ·189 | ·192 | ·208 | ·208 | ·214 | ·210 | ·209 | ·212 | ·214 | ·214 | ·214 | ·216 | ·227 | ·238 | 24 |
| ·268 | ·294 | ·309 | ·296 | ·280 | ·255 | ·246 | ·215 | ·215 | ·211 | ·213 | ·207 | ·198 | ·190 | ·200 | ·188 | ·186 | ·182 | ·190 | ·187 | ·182 | ·178 | ·184 | 25 |
| ·188 | ·179 | ·183 | ·180 | ·176 | ·171 | ·177 | ·175 | ·174 | ·186 | ·200 | ·204 | ·205 | ·207 | ·207 | ·207 | ·208 | ·208 | ·215 | ·226 | ·237 | ·246 | ·269 | 26 |
| ·283 | ·295 | ·308 | ·307 | ·257 | ·257 | ·253 | ·259 | ·256 | ·240 | ·232 | ·237 | ·240 | ·235 | ·238 | ·237 | ·230 | ·224 | ·216 | ·210 | ·210 | ·211 | ·209 | 27 |
| ·217 | ·247 | ·251 | ·270 | ·299 | ·246 | ·216 | ·215 | ·223 | ·220 | ·212 | ·210 | ·195 | ·194 | ·189 | ·176 | ·177 | ·168 | ·174 | ·174 | ·164 | ·170 | ·178 | 28 |
| ·168 | ·171 | ·180 | ·182 | ·174 | ·173 | ·184 | ·192 | ·198 | ·188 | ·192 | ·197 | ·220 | ·237 | ·244 | ·260 | ·277 | ·270 | ·205 | ·203 | ·264 | ·269 | ·258 | 29 |
| ·269 | ·265 | ·271 | ·254 | ·227 | ·202 | ·196 | ·198 | ·191 | ·200 | ·198 | ·201 | ·200 | ·187 | ·203 | ·191 | ·187 | ·188 | ·192 | ·187 | ·187 | ·193 | ·192 | 30 |
| ·194 | ·196 | ·200 | ·200 | ·200 | ·197 | ·196 | ·195 | ·205 | ·209 | ·202 | ·200 | ·215 | ·237 | ·262 | ·284 | ·313 | ·323 | ·325 | ·322 | ·328 | ·334 | ·331 | 31 |

Meteorological Office,
116 Victoria Street, Westminster, S.W.
ROBERT H. SCOTT, Director.

# GLASGOW OBSERVATORY LAT. 55°53′ N. LONG. 4°18′ W.

## BAROMETER.

| DAYS. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28·683 | 28·695 | 28·715 | 28·700 | 28·699 | 28·696 | 28·700 | 28·702 | 28·709 | 28·742 | 28·776 | 28·767 | 28·79 |
| 2 | 29·252 | 29·276 | 29·302 | 29·321 | 29·344 | 29·072 | 29·396 | 29·412 | 29·437 | 29·470 | 29·476 | 29·490 | 29·49 |
| 3 | ·588 | ·568 | ·580 | ·574 | ·578 | 29·558 | 29·539 | 29·533 | 29·524 | 29·517 | 29·493 | 29·460 | 29·42 |
| 4 | 29·134 | 29·093 | 29·071 | 29·055 | 29·021 | 28·997 | 28·992 | 28·979 | 28·971 | 28·953 | 28·946 | 28·905 | 28·90 |
| 5 | 28·778 | 28·772 | 28·768 | 28·760 | 28·762 | ·766 | ·765 | ·788 | ·790 | ·798 | ·806 | ·808 | ·80 |
| 6 | ·832 | ·834 | ·838 | ·836 | ·850 | ·842 | ·852 | ·858 | ·868 | ·875 | ·871 | ·861 | ·8 |
| 7 | ·460 | ·440 | ·443 | ·459 | ·495 | ·509 | ·538 | ·562 | ·580 | ·590 | ·600 | 28·612 | 28·6 |
| 8 | 28·665 | 28·688 | 28·722 | 28·750 | 28·773 | 28·802 | 28·853 | 28·869 | 28·929 | 28·956 | 28·991 | 29·009 | 29·0 |
| 9 | 29·189 | 29·215 | 29·237 | 29·265 | 29·285 | 29·317 | 29·353 | 29·395 | 29·439 | 29·481 | 29·521 | ·551 | ·5 |
| 10 | ·842 | ·859 | ·870 | ·873 | ·875 | ·882 | ·893 | ·898 | ·907 | ·900 | ·931 | ·921 | ·9 |
| 11 | ·825 | ·816 | ·802 | ·782 | ·773 | 7′5 | ·762 | ·750 | ·749 | ·738 | ·734 | ·709 | ·6 |
| 12 | ·545 | ·509 | ·523 | ·516 | ·512 | ·509 | ·509 | ·526 | ·544 | ·572 | ·576 | ·588 | ·6 |
| 13 | ·772 | ·770 | ·769 | ·766 | ·758 | ·754 | ·733 | ·724 | ·724 | ·714 | ·704 | ·681 | ·67 |
| 14 | ·601 | ·574 | ·547 | ·510 | ·484 | ·453 | ·425 | ·387 | ·353 | ·318 | ·283 | ·237 | ·2 |
| 15 | ·400 | ·436 | ·470 | ·489 | ·519 | ·562 | ·577 | ·597 | ·616 | ·634 | ·656 | ·653 | ·6 |
| 16 | ·598 | ·587 | ·565 | ·567 | ·562 | ·547 | ·547 | ·541 | ·541 | ·531 | ·500 | ·470 | ·4 |
| 17 | 501 | ·492 | ·498 | ·497 | ·483 | ·469 | ·468 | ·467 | ·461 | ·450 | ·438 | ·437 | ·4 |
| 18 | ·413 | ·402 | ·385 | ·354 | 310 | ·273 | ·216 | ·186 | ·162 | ·152 | ·117 | ·097 | ·1 |
| 19 | ·264 | ·260 | ·266 | ·260 | ·249 | ·238 | ·215 | ·203 | ·178 | ·143 | ·099 | ·050 | ·0 |
| 20 | 29·686 | 29·716 | 29·746 | 29·782 | 29·808 | 29·830 | 29·862 | 29·894 | 29·944 | 29·966 | 29·974 | 29·990 | 29·9 |
| 21 | 30·064 | 30·047 | 30·034 | 30·034 | 30·035 | 30·028 | 30·042 | 30·056 | 30·062 | 30·065 | 30·075 | 30·086 | 30·0 |
| 22 | ·181 | ·197 | ·197 | 30·218 | 30·232 | 30·232 | 30·244 | 30·243 | 30·260 | 30·271 | 30·267 | 30·253 | 30·2 |
| 23 | 30·040 | 30·026 | 30·009 | 29·981 | 29·957 | 29·938 | 29·927 | 29·913 | 29·896 | 29·883 | 29·868 | 29·824 | 29·7 |
| 24 | 29·372 | 29·356 | 29·357 | ·399 | ·458 | ·520 | ·561 | ·612 | ·656 | ·682 | ·703 | ·718 | ·7 |
| 25 | ·440 | ·365 | ·278 | ·185 | ·111 | ·041 | ·110 | ·130 | ·163 | ·175 | ·201 | ·213 | ·2 |
| 26 | ·550 | ·592 | ·622 | ·653 | ·680 | ·708 | ·729 | ·774 | ·798 | ·828 | ·840 | ·849 | ·8 |
| 27 | ·659 | ·605 | ·577 | ·539 | ·530 | ·534 | ·543 | ·564 | ·585 | ·615 | ·640 | ·641 | ·6 |
| 28 | ·756 | ·714 | ·671 | ·566 | ·457 | ·355 | ·228 | ·206 | ·252 | ·250 | ·269 | ·282 | ·2 |
| 29 | ·304 | 29·326 | 29·356 | 29·389 | 29·410 | 29·416 | 29·421 | 29·416 | 29·421 | 29·412 | ·414 | ·400 | ·4 |
| 30 | ·019 | 28·955 | 28·879 | 28·762 | 28·617 | 28·560 | 28·679 | 28·828 | 28·886 | 28·959 | ·018 | ·094 | ·1 |
| 31 | 29·628 | 29·637 | 29·652 | 29·671 | 29·674 | 29·695 | 29·694 | 29·714 | 29·718 | 29·710 | 29·697 | 29·685 | 29·6 |

## DRY BULB THERMOMETER 7 FEET ABOVE GROUND.

| DAYS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 38·8 | 35·5 | 34·0 | 33·8 | 33·9 | 34·0 | 33·6 | 33·9 | 34·2 | 34·4 | 34·8 | 34·9 | 35·3 | 38·4 | 35·6 | 34·9 | 34·5 | 34·1 | 34·0 | 33·7 | 34·3 | 33·4 | 32·0 | 30·7 |
| | 30·2 | 28·1 | 27·5 | 27·8 | 27·2 | 26·9 | 26·6 | 26·0 | 26·4 | 27·1 | 28·0 | 29·9 | 30·7 | 31·5 | 31·6 | 32·1 | 31·0 | 31·0 | 29·3 | 28·0 | 28·6 | 26·6 | 27·0 | 26·8 |
| 3 | 25·4 | 27·3 | 27·3 | 27·0 | 27·0 | 27·3 | 26·9 | 27·9 | 29·0 | 30·0 | 30·4 | 31·8 | 32·0 | 33·0 | 33·8 | 33·9 | 35·1 | 32·8 | 31·3 | 31·4 | 31·7 | 32·0 | 32·1 | 32·2 |
| 4 | 32·8 | 33·0 | 33·2 | 33·6 | 33·8 | 34·0 | 34·4 | 34·4 | 33·9 | 33·9 | 34·8 | 35·1 | 35·3 | 35·1 | 36·0 | 36·1 | 35·0 | 34·9 | 34·9 | 34·6 | 34·4 | 33·4 | 33·7 | 33·0 |
| 5 | 33·3 | 34·0 | 34·0 | 33·9 | 34·0 | 34·2 | 34·3 | 34·1 | 33·8 | 33·8 | 33·5 | 33·6 | 33·9 | 34·0 | 33·9 | 34·0 | 34·6 | 34·7 | 35·1 | 35·2 | 36·4 | 36·1 | 35·1 | 35·0 |
| 6 | 35·5 | 35·3 | 36·3 | 34·5 | 35·1 | 35·0 | 35·9 | 37·0 | 36·1 | 38·4 | 38·9 | 40·0 | 39·3 | 39·1 | 38·3 | 37·4 | 36·3 | 36·4 | 36·0 | 37·1 | 38·4 | 38·5 | 41·5 | 43·1 |
| 7 | 43·0 | 44·0 | 43·8 | 45·0 | 45·4 | 44·7 | 44·6 | 43·4 | 43·5 | 44·1 | 44·2 | 44·9 | 44·9 | 45·4 | 44·9 | 44·9 | 45·9 | 44·6 | 45·0 | 46·6 | 44·7 | 46·4 | 47·0 | 46·8 |
| 8 | 46·0 | 46·0 | 45·3 | 44·6 | 46·0 | 45·0 | 45·1 | 46·4 | 46·9 | 46·0 | 46·7 | 46·9 | 46·6 | 46·7 | 45·4 | 45·4 | 45·0 | 45·1 | 44·9 | 44·8 | 45·0 | 44·1 | 42·8 | 42·4 |
| 9 | 41·8 | 41·6 | 41·3 | 41·2 | 41·0 | 40·4 | 40·4 | 40·4 | 40·1 | 39·4 | 39·2 | 40·3 | 39·9 | 40·1 | 40·3 | 40·0 | 39·7 | 39·3 | 39·0 | 38·6 | 37·9 | 37·6 | 37·4 | 36·8 |
| 10 | 34·9 | 35·3 | 35·4 | 35·1 | 35·9 | 35·9 | 36·0 | 36·1 | 36·2 | 36·3 | 36·3 | 36·9 | 37·1 | 37·6 | 37·9 | 37·5 | 37·6 | 37·8 | 37·8 | 38·2 | 38·1 | 38·0 | 37·8 | 37·7 |
| 11 | 37·4 | 37·1 | 36·9 | 36·7 | 36·8 | 36·7 | 36·6 | 36·3 | 35·9 | 35·9 | 35·9 | 37·0 | 37·6 | 37·0 | 37·0 | 36·4 | 35·5 | 35·0 | 34·9 | 34·8 | 33·7 | 33·8 | 33·3 | 33·1 |
| 12 | 31·5 | 31·2 | 31·6 | 32·3 | 32·5 | 32·7 | 33·0 | 34·7 | 33·3 | 31·8 | 32·0 | 32·0 | 32·5 | 33·1 | 33·4 | 32·8 | 32·2 | 31·8 | 30·8 | 30·7 | 28·5 | 27·5 | 27·4 | 27·0 |
| 13 | 27·9 | 27·8 | 28·0 | 28·4 | 30·0 | 31·0 | 32·9 | 32·1 | 34·4 | 36·0 | 35·8 | 36·1 | 37·0 | 36·7 | 36·8 | 36·6 | 36·0 | 35·4 | 35·2 | 36·9 | 34·2 | 34·0 | 34·4 | 34·5 |
| 14 | 34·8 | 34·6 | 35·0 | 36·4 | 35·6 | 36·6 | 39·0 | 38·8 | 40·0 | 42·0 | 41·7 | 42·0 | 40·8 | 42·0 | 40·9 | 40·7 | 40·0 | 39·8 | 39·9 | 39·8 | 41·0 | 40·0 | 39·6 | 39·9 |
| 15 | 38·8 | 37·5 | 37·4 | 37·0 | 36·9 | 37·0 | 35·9 | 36·2 | 36·4 | 35·6 | 37·4 | 39·0 | 40·0 | 39·6 | 39·1 | 39·4 | 37·6 | 37·6 | 36·2 | 35·9 | 35·8 | 36·1 | 36·3 | 36·7 |
| 16 | 37·5 | 37·6 | 38·0 | 38·5 | 41·3 | 42·8 | 43·4 | 43·3 | 43·6 | 43·8 | 43·6 | 44·4 | 46·0 | 47·4 | 48·3 | 48·9 | 49·7 | 49·2 | 49·4 | 49·0 | 47·4 | 44·8 | 44·2 | 43·7 |
| 17 | 42·5 | 42·5 | 41·7 | 41·4 | 41·0 | 39·4 | 39·4 | 38·7 | 39·7 | 39·0 | 41·0 | 40·6 | 41·4 | 42·4 | 42·8 | 43·4 | 40·9 | 41·0 | 40·6 | 38·7 | 37·8 | 36·9 | 36·6 | 36·0 |
| 18 | 37·6 | 36·2 | 36·9 | 38·6 | 38·9 | 40·0 | 40·2 | 41·2 | 41·0 | 42·1 | 43·1 | 44·0 | 43·9 | 45·2 | 45·9 | 45·8 | 45·4 | 45·0 | 44·9 | 44·8 | 42·8 | 43·1 | 43·9 | 43·8 |
| 19 | 43·4 | 43·2 | 42·9 | 43·0 | 42·8 | 42·8 | 42·2 | 41·9 | 41·7 | 42·2 | 42·4 | 44·0 | 44·9 | 50·3 | 49·2 | 44·7 | 39·5 | 39·7 | 38·9 | 39·5 | 40·9 | 40·2 | 41·1 | 40·5 |
| 20 | 40·0 | 38·7 | 38·2 | 37·3 | 38·4 | 38·9 | 37·8 | 37·0 | 36·2 | 37·2 | 39·8 | 41·5 | 42·5 | 42·8 | 42·6 | 41·7 | 40·9 | 39·7 | 39·5 | 39·6 | 40·2 | 40·4 | 41·9 | 41·9 |
| 21 | 42·7 | 43·4 | 43·1 | 43·4 | 43·4 | 44·0 | 44·2 | 43·9 | 44·4 | 44·4 | 44·9 | 45·2 | 45·3 | 45·4 | 45·3 | 45·0 | 44·9 | 45·0 | 43·4 | 42·6 | 40·4 | 39·7 | 39·7 | 39·1 |
| 22 | 38·7 | 37·7 | 37·3 | 36·8 | 36·7 | 36·5 | 35·9 | 36·8 | 36·0 | 33·4 | 34·6 | 35·0 | 37·0 | 38·0 | 40·3 | 39·6 | 42·4 | 42·3 | 41·6 | 40·9 | 39·0 | 38·3 | 38·0 | 38·6 |
| 23 | 38·6 | 39·8 | 40·7 | 40·3 | 41·4 | 41·0 | 42·0 | 42·4 | 42·9 | 43·0 | 43·4 | 44·2 | 46·0 | 44·3 | 44·1 | 43·2 | 43·9 | 43·8 | 43·0 | 42·1 | 43·3 | 43·4 | 44·0 | 42·9 |
| 24 | 43·0 | 42·8 | 43·6 | 39·3 | 39·0 | 37·5 | 37·6 | 36·9 | 36·2 | 37·1 | 38·6 | 40·0 | 40·7 | 40·6 | 40·9 | 40·0 | 38·1 | 38·9 | 39·2 | 39·9 | 40·1 | 39·8 | 40·0 | 39·7 |
| 25 | 39·0 | 38·9 | 39·0 | 38·9 | 39·7 | 40·3 | 40·8 | 44·7 | 43·8 | 43·0 | 41·8 | 42·4 | 37·5 | 37·0 | 37·6 | 38·0 | 35·0 | 36·4 | 34·4 | 34·3 | 35·7 | 35·0 | 34·6 | 34·3 |
| 26 | 33·8 | 33·4 | 34·0 | 33·9 | 33·1 | 33·6 | 34·2 | 33·0 | 33·5 | 34·0 | 35·5 | 37·6 | 38·5 | 39·3 | 39·2 | 38·6 | 38·2 | 37·8 | 38·3 | 37·5 | 38·0 | 38·9 | 39·4 | 40·0 |
| 27 | 39·8 | 41·0 | 41·7 | 42·9 | 44·2 | 45·0 | 44·8 | 44·9 | 45·5 | 45·9 | 44·9 | 46·0 | 46·9 | 46·6 | 46·8 | 46·3 | 39·9 | 40·2 | 41·4 | 40·6 | 41·0 | 39·5 | 39·9 | 41·0 |
| 28 | 40·9 | 40·6 | 41·1 | 41·9 | 41·6 | 40·8 | 41·0 | 44·9 | 44·4 | 45·8 | 40·2 | 36·3 | 37·9 | 34·5 | 36·9 | 34·7 | 36·9 | 34·9 | 35·2 | 33·5 | 33·1 | 33·0 | 35·1 | 35·5 |
| 29 | 32·7 | 33·9 | 35·0 | 35·6 | 33·2 | 34·5 | 34·4 | 35·1 | 35·2 | 36·1 | 34·8 | 36·2 | 34·9 | 34·9 | 34·7 | 35·0 | 35·6 | 37·8 | 37·8 | 37·1 | 36·6 | 38·0 | 46·7 | 46·1 |
| 30 | 44·9 | 44·0 | 43·4 | 43·4 | 43·4 | 40·8 | 38·2 | 35·9 | 37·5 | 38·6 | 36·8 | 38·7 | 40·2 | 40·8 | 39·8 | 39·2 | 37·1 | 36·5 | 36·0 | 35·8 | 34·9 | 34·7 | 34·6 | 34·7 |
| 31 | 35·8 | 35·8 | 35·9 | 36·4 | 36·9 | 36·3 | 36·0 | 36·4 | 38·5 | 38·0 | 39·2 | 39·8 | 39·8 | 39·5 | 39·0 | 38·4 | 37·7 | 37·0 | 37·4 | 37·8 | 35·9 | 35·7 | 35·7 | 35·3 |

* Record defective or Instrument out of action. † Reading of Standard. ‡ Approximate

# HOURLY VALUES *January* 1877.

## CISTERN 184 FEET ABOVE MEAN SEA LEVEL.

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 821 | 28·859 | 28·920 | 28·956 | 29·014 | 29·059 | 29·099 | 29·105 | 29·170 | 29·206 | 29·226 | 1 |
| 501 | 29·518 | 29·531 | 29·508 | ·556 | ·588 | ·668 | ·576 | ·579 | ·588 | ·586 | 2 |
| 388 | 29·351 | 29·340 | 29·318 | 29·311 | 29·293 | 29·294 | 29·268 | 29·206 | 29·199 | 29·168 | 3 |
| 897 | 28·876 | 28·870 | 28·850 | 28·805 | 28·832 | 28·832 | 28·820 | 28·810 | 28·792 | 28·781 | 4 |
| 792 | ·800 | ·802 | ·810 | ·813 | ·827 | ·836 | ·802 | ·838 | ·807 | ·803 | 5 |
| 807 | ·765 | ·724 | ·674 | ·636 | ·575 | ·544 | ·509 | ·501 | ·481 | ·459 | 6 |
| 621 | 28·614 | 28·599 | 28·572 | 28·534 | 28·549 | 28·560 | 28·599 | 28·611 | 28·621 | 28·644 | 7 |
| ·019 | 29·022 | 29·060 | 29·077 | 29·089 | 29·098 | 29·112 | 29·116 | 29·110 | 29·127 | 29·150 | 8 |
| ·604 | ·632 | ·662 | ·701 | ·729 | ·753 | ·767 | ·785 | ·807 | ·835 | ·846 | 9 |
| ·901 | ·897 | ·896 | ·897 | ·892 | ·891 | ·887 | ·891 | ·884 | ·868 | ·842 | 10 |
| ·677 | ·655 | ·647 | ·636 | ·621 | ·609 | ·605 | ·595 | ·587 | ·571 | ·550 | 11 |
| 624 | ·646 | ·678 | ·706 | ·722 | ·742 | ·757 | ·759 | ·769 | ·772 | ·776 | 12 |
| ·667 | ·666 | ·662 | ·653 | ·654 | ·660 | ·647 | ·649 | ·642 | ·635 | ·617 | 13 |
| ·171 | ·155 | ·162 | ·202 | ·237 | ·245 | ·266 | ·289 | ·316 | ·326 | ·372 | 14 |
| ·658 | ·651 | ·653 | ·662 | ·673 | ·654 | ·651 | ·629 | ·618 | ·620 | ·607 | 15 |
| ·433 | ·431 | ·439 | ·446 | ·454 | ·484 | ·450 | ·468 | ·481 | ·490 | ·509 | 16 |
| ·409 | ·406 | ·414 | ·430 | ·438 | ·449 | ·454 | ·453 | ·454 | ·458 | ·468 | 17 |
| ·117 | ·126 | ·150 | ·169 | ·185 | ·205 | ·238 | ·207 | ·250 | ·250 | ·258 | 18 |
| ·006 | 29·014 | 29·040 | 29·124 | 29·230 | 29·306 | 29·393 | 29·460 | 29·527 | 29·582 | 29·634 | 19 |
| ·004 | 30·028 | 30·038 | 30·038 | 30·057 | 30·059 | 30·070 | 30·078 | 30·089 | 30·086 | 30·071 | 20 |
| ·082 | ·078 | ·067 | ·071 | ·064 | ·075 | ·088 | ·123 | ·142 | ·162 | ·176 | 21 |
| ·220 | 30·199 | 30·180 | 30·176 | 30·171 | 30·149 | 30·143 | 30·135 | 30·124 | 30·096 | 30·067 | 22 |
| ·754 | 29·712 | 29·682 | 29·632 | 29·594 | 29·574 | 29·624 | 29·493 | 29·458 | 29·428 | 29·398 | 23 |
| ·720 | ·717 | ·729 | ·726 | ·730 | ·699 | ·673 | ·656 | ·626 | ·575 | ·522 | 24 |
| ·267 | ·272 | ·310 | ·319 | ·354 | ·382 | ·407 | ·432 | ·484 | ·490 | ·539 | 25 |
| ·843 | ·851 | ·850 | ·847 | ·836 | ·833 | ·812 | ·792 | ·768 | ·733 | ·689 | 26 |
| ·672 | ·684 | ·736 | ·764 | ·783 | ·793 | ·807 | ·821 | ·793 | ·796 | ·800 | 27 |
| ·272 | ·244 | ·262 | ·251 | ·248 | ·259 | ·258 | ·272 | ·271 | ·261 | ·290 | 28 |
| ·383 | ·385 | ·381 | ·372 | ·348 | ·320 | ·293 | ·227 | ·152 | ·104 | ·069 | 29 |
| ·221 | ·283 | ·333 | ·392 | ·449 | ·476 | ·509 | ·536 | ·568 | ·581 | ·600 | 30 |
| ·641 | 29·600 | 29·581 | 29·561 | 29·533 | 29·510 | 29·489 | 29·471 | 29·472 | 29·471 | 29·477 | 31 |

# WET BULB THERMOMETER 7 FEET ABOVE GROUND.

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ·5 | 34·8 | 33·8 | 33·3 | 33·4 | 33·6 | 33·0 | 33·0 | 33·0 | 33·0 | 33·0 | 33·1 | 32·8 | 32·9 | 32·8 | 32·0 | 31·7 | 31·2 | 31·9 | 31·9 | 32·2 | 31·8 | 30·7 | 29·7 | 1 |
| ·8 | 26·7 | 26·5 | 26·4 | 26·0 | 25·7 | 25·6 | 24·9 | 25·0 | 25·8 | 26·6 | 27·8 | 28·0 | 28·8 | 29·0 | 29·6 | 29·0 | 28·7 | 28·0 | 27·0 | 26·6 | 26·4 | 25·2 | 24·3 | 2 |
| ·1 | 26·1 | 25·9 | 25·7 | 25·5 | 25·9 | 25·5 | 26·9 | 28·1 | 29·0 | 29·6 | 30·7 | 31·0 | 32·1 | 31·8 | 31·8 | 31·9 | 31·5 | 30·9 | 31·1 | 31·2 | --- | -*- | --- | 3 |
| --- | * | --- | --- | 32·9 | 33·0 | 33·2 | 33·3 | 33·4 | 33·1 | 33·2 | 33·9 | 34·2 | 34·3 | 34·0 | 34·0 | 34·0 | 33·9 | 33·7 | 33·7 | 33·7 | 33·5 | 33·0 | 33·0 | 32·7 | 4 |
| ·9 | 33·0 | 33·1 | 33·0 | 33·0 | 33·1 | 33·1 | 33·2 | 33·0 | 33·0 | 33·6 | 33·0 | 33·4 | 33·5 | 33·5 | 33·7 | 34·0 | 34·1 | 34·7 | 34·8 | 34·9 | 35·0 | 34·8 | 34·8 | 5 |
| ·0 | 35·0 | 34·9 | 34·3 | 34·9 | 34·7 | 35·4 | 36·4 | 35·4 | 37·0 | 37·1 | 38·0 | 37·4 | 37·4 | 36·9 | 35·9 | 35·2 | 35·5 | 35·7 | 36·4 | 37·6 | 37·7 | 40·3 | 41·0 | 6 |
| 7 | 42·0 | 42·1 | 42·9 | 42·7 | 42·1 | 41·8 | 41·0 | 41·0 | 41·6 | 41·8 | 42·2 | 42·1 | 42·2 | 42·1 | 42·1 | 42·0 | 42·7 | 43·1 | 44·7 | 43·0 | 44·1 | 44·0 | 43·7 | 7 |
| 8 | 43·4 | 43·6 | 43·1 | 43·8 | 43·9 | 44·0 | 44·0 | 44·3 | 44·4 | 44·8 | 44·6 | 44·4 | 44·6 | 43·9 | 44·0 | 43·6 | 43·9 | 43·5 | 43·1 | 43·1 | 42·6 | 41·6 | 41·3 | 8 |
| ·5 | 40·0 | 40·2 | 39·6 | 39·0 | 38·8 | 38·7 | 38·8 | 38·7 | 38·1 | 38·0 | 37·7 | 37·0 | 37·6 | 37·0 | 37·4 | 37·2 | 36·8 | 36·4 | 35·7 | 35·2 | 34·9 | 34·4 | 33·6 | 9 |
| ·4 | 33·9 | 34·0 | 34·0 | 34·0 | 34·3 | 33·6 | 33·8 | 33·9 | 34·4 | 34·9 | 34·9 | 35·1 | 35·3 | 35·4 | 35·8 | 35·8 | 36·9 | 35·8 | 36·0 | 35·9 | 35·8 | 35·4 | 35·3 | 10 |
| ·0 | 34·9 | 34·6 | 34·2 | 34·3 | 34·4 | 34·0 | 34·0 | 33·8 | 33·8 | 33·9 | 34·2 | 34·0 | 34·0 | 34·0 | 33·9 | 33·4 | 32·9 | 32·5 | 32·3 | 31·8 | 31·4 | 30·9 | 30·5 | 11 |
| ·0 | 29·6 | 29·9 | 30·4 | 31·0 | 31·0 | - | - | - | - | - | * | * | - | - | - | - | - | - | 30·6 | 30·2 | 27·9 | 27·5 | 27·4 | 27·0 | 12 |
| ·9 | 27·6 | 27·9 | 28·4 | 29·9 | 30·7 | --- | -*- | --- | --- | 33·8 | 34·0 | 34·0 | 35·0 | 34·7 | 34·9 | 35·0 | 34·8 | 34·4 | 34·4 | 34·8 | 33·8 | 33·8 | 34·0 | 34·0 | 13 |
| ·1 | 34·2 | 34·5 | 35·0 | 35·0 | 36·0 | 38·4 | 38·1 | 39·0 | 40·6 | 39·9 | 40·4 | 39·6 | 40·9 | 40·1 | 40·1 | 39·2 | 39·2 | 39·2 | 38·9 | 39·7 | 38·7 | 38·0 | 38·1 | 14 |
| ·4 | 36·4 | 36·0 | 35·8 | 35·0 | 35·0 | 34·6 | 34·4 | 34·0 | 34·0 | 36·0 | 37·4 | 38·2 | 37·9 | 37·0 | 37·0 | 36·3 | 36·3 | 35·4 | 35·3 | 35·2 | 35·5 | 35·9 | 36·1 | 15 |
| ·0 | 37·0 | 37·7 | 38·0 | 40·7 | 41·7 | 41·7 | 41·3 | 41·3 | 41·5 | 42·7 | 43·3 | 45·2 | 46·3 | 47·5 | 48·1 | 48·0 | 48·0 | 48·1 | 47·6 | 46·0 | 43·5 | 42·9 | 42·4 | 16 |
| 4 | 40·8 | 40·2 | 40·9 | 39·2 | 38·0 | 38·0 | 37·3 | 37·9 | 37·4 | 38·8 | 38·7 | 39·2 | 40·2 | 40·8 | 41·4 | 39·9 | 40·0 | 39·6 | 37·8 | 37·1 | 36·2 | 35·8 | 34·9 | 17 |
| ·6 | 34·7 | 35·4 | 36·8 | 37·2 | 38·0 | 38·9 | 38·9 | 39·2 | 40·0 | 41·0 | 42·1 | 42·7 | 43·9 | 44·7 | 44·0 | 43·8 | 43·6 | 43·4 | 43·4 | 41·6 | 41·9 | 42·4 | 42·4 | 18 |
| ·4 | 42·0 | 42·0 | 41·8 | 41·4 | 41·4 | 41·5 | 41·0 | 41·0 | 41·5 | 41·3 | 43·0 | 47·9 | 47·3 | 46·2 | 42·9 | 37·8 | 37·3 | 36·8 | 38·0 | 39·0 | 37·8 | 39·1 | 38·7 | 19 |
| ·2 | 36·9 | 36·0 | 35·3 | 36·3 | 36·4 | 36·0 | 35·8 | 35·4 | 36·0 | 38·0 | 39·3 | 40·0 | 40·2 | 40·0 | 39·0 | 37·9 | 37·2 | 37·1 | 37·4 | 38·0 | 38·2 | 39·3 | 39·6 | 20 |
| ·0 | 40·4 | 41·0 | 41·4 | 41·9 | 42·1 | 42·4 | 42·5 | 43·0 | 43·3 | 43·2 | 43·5 | 43·7 | 43·8 | 43·7 | 43·4 | 43·5 | 43·4 | 42·0 | 41·3 | 39·1 | 38·9 | 38·4 | 37·2 | 21 |
| ·0 | 36·5 | 36·3 | 35·8 | 35·9 | 35·9 | 36·1 | 35·1 | 34·8 | 33·0 | 34·2 | 34·6 | 36·0 | 36·9 | 38·7 | 38·4 | 40·9 | 41·2 | 40·0 | 39·0 | 37·6 | 36·9 | 36·7 | 37·0 | 22 |
| ·1 | 37·9 | 38·8 | 38·7 | 39·3 | 39·0 | 40·0 | 40·4 | 40·7 | 41·1 | 40·9 | 41·5 | 42·0 | 41·2 | 41·1 | 41·0 | 41·1 | 41·2 | 40·9 | 41·0 | 41·2 | 41·4 | 42·0 | 41·4 | 23 |
| ·9 | 41·7 | 42·5 | 37·3 | 36·8 | 36·0 | 35·9 | 36·0 | 35·0 | 35·9 | 36·8 | 37·3 | 37·6 | 37·7 | 37·8 | 37·4 | 36·9 | 37·4 | 38·0 | 38·2 | 38·1 | 38·0 | 37·7 | 37·8 | 24 |
| ·0 | 36·6 | 36·7 | 37·0 | 37·8 | 38·9 | 42·5 | 42·9 | 40·1 | 39·0 | 39·0 | 39·6 | 36·5 | 36·4 | 36·2 | 35·4 | 34·2 | 34·9 | 33·8 | 33·4 | 33·9 | 33·8 | 33·2 | 33·6 | 25 |
| ·0 | 33·0 | 33·1 | 33·0 | 32·0 | 32·5 | 32·8 | 31·9 | 32·5 | 33·0 | 34·0 | 35·8 | 36·7 | 37·3 | 37·5 | 37·2 | 37·0 | 36·3 | 36·1 | 35·4 | 36·2 | 36·9 | 37·2 | 37·8 | 26 |
| ·6 | 39·6 | 40·4 | 42·0 | 43·4 | 44·0 | 43·5 | 43·2 | 43·1 | 41·1 | 42·0 | 42·5 | 42·9 | 42·6 | 42·0 | 38·8 | 38·3 | 38·9 | 39·0 | 38·9 | 39·2 | 38·9 | 39·0 | 39·7 | 27 |
| ·4 | 38·9 | 38·9 | 38·8 | 39·9 | 39·0 | 40·0 | 40·9 | 40·9 | 39·0 | 36·5 | 36·0 | 36·3 | 33·8 | 34·8 | 33·4 | 33·9 | 33·0 | 32·5 | 32·4 | — | — | -* | -*- | - | 28 |
| ·2 | * | 33·2 | 32·5 | 32·2 | 32·8 | 33·5 | 33·8 | 34·4 | 34·9 | 34·2 | 35·4 | 34·2 | 34·4 | 34·6 | 34·5 | 36·0 | 36·8 | 36·9 | 36·8 | 36·2 | 37·8 | 40·0 | 42·9 | 29 |
| ·8 | 42·6 | 42·1 | 42·1 | 42·0 | 39·0 | 38·2 | 34·3 | 33·7 | 34·7 | 35·3 | 36·3 | 36·0 | 35·8 | 25·4 | 35·5 | 34·3 | 34·0 | 34·5 | 33·9 | 33·2 | 33·1 | 33·0 | 33·3 | 30 |
| ·0 | 34·3 | 34·6 | 34·7 | 34·9 | 34·8 | 34·9 | 35·3 | 37·0 | 36·8 | 38·2 | 38·6 | 38·4 | 38·0 | 37·6 | 37·2 | 36·6 | 36·1 | 36·2 | 36·8 | 35·7 | 35·5 | 36·4 | 36·9 | 31 |

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ROBERT H. SCOTT, Director.

# GLASGOW OBSERVATORY LAT: 55°53'N LONG: 4°18' W.

## WIND

DIRECTION IN NUMBERS { 8 - E 24 - W / 16 - S 32 - N }

| DAYS | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | NOON | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D |
| 1 | 5 | 33 | 5 | 29 | 4 | 28 | 4 | 26 | 4 | 31 | 3 | 30 | 3 | 29 | 3 | 28 | 4 | 23 | 3 | 20 | 4 | 22 | 4 | 17 | 4 |
| 2 | 5 | 4 | 5 | 4 | 5 | 3 | 5 | 4.5 | 5 | 6.5 | 5 | 3 | 5 | 4 | 6 | 2 | 5 | 4 | 5 | 2 | 4 | 4.5 | 4 | 5.5 | 5 |
| 3 | 6 | 7.5 | 6 | 6.5 | 0 | 9.5 | 6 | 12 | 7 | 14 | 5 | 18 | 5 | 19 | 5 | 19 | 5 | 22 | 5 | 26 | 5 | 20 | 5 | 26 | 5 |
| 4 | 5 | 32 | 5 | 32 | 5 | 30 | 5 | 25 | 5 | 30 | 5 | 28 | 5 | 25 | 5 | 25 | 4 | 19 | 4 | 17 | 5 | 16 | 5 | 20 | 5 |
| 5 | 4 | 22 | 4 | 22 | 5 | 26 | 5 | 24 | 5 | 24 | 5 | 19 | 6 | 16 | 7 | 14 | 7 | 11 | 7 | 11 | 7 | 9.5 | 7 | 10.5 | 5 |
| 6 | 6 | 6.5 | 6 | 8.5 | 6 | 4.5 | 2 | 6.5 | 20 | 7.5 | 7 | 7.5 | 7 | 5.5 | 12 | 4 | 14 | 4 | 13 | 7.5 | 15 | 5.5 | 13 | 4.5 | 7 |
| 7 | 9 | 17 | 10 | 13 | 12 | 16 | 15 | 17 | 15 | 21 | 17 | 21 | 17 | 16 | 14 | 13 | 14 | 15 | 13 | 14 | 12 | 11 | 14 | 11 | 14 |
| 8 | 17 | 37 | 17 | 36 | -- | -- | -- | -- | -- | -- | * | * | -- | -- | -- | -- | -- | -- | 19 | * | * | * | 19 | 21 | 18 |
| 9 | 7 | 4 | 7 | 4.5 | 7 | 3 | 7 | 5.5 | 8 | 6.5 | 8 | 6.5 | 8 | 4.5 | 8 | 6.5 | 8 | 7.5 | 7 | 7.5 | 7 | 8.5 | 7 | 10.5 | 5 |
| 10 | 5 | 20 | 6 | 15 | 5 | 14 | 5 | 15 | 5 | 10 | 5 | 16 | 5 | 17 | 5 | 15 | 5 | 14 | 5 | 11 | 5 | 16 | 6 | 17 | 5 |
| 11 | 5 | 19 | 5 | 12 | 5 | 11 | 5 | 16 | 5 | 16 | 5 | 12 | 6 | 10 | 7 | 7.5 | 7 | 9.5 | 7 | 8.5 | 7 | 7.5 | 10 | 8.5 | 9 |
| 12 | 8 | 6.5 | 8 | 6.5 | 7 | 10.5 | 7 | 9.5 | 6 | 10.5 | 6 | 9.5 | 6 | 8.5 | 7 | 9.5 | 10 | 9.5 | 5 | 10.5 | 5 | 12 | 5 | 10.5 | 5 |
| 13 | 2 | 3 | 3 | 7.5 | 3 | 8.5 | 4 | 9.5 | 4 | 9.5 | 5 | 7.5 | 8 | 6.5 | 6 | 8.5 | 8 | 8.5 | 10 | 11 | 11 | 12 | 11 | 8.5 | 11 |
| 14 | 5 | 10.5 | 5 | 11 | 5 | 12 | 6 | 12 | 6 | 11 | 7 | 9.5 | 9 | 9.5 | 10 | 9.5 | 10 | 10.5 | 11 | 15 | 9 | 18 | 9 | 12 | 6 |
| 15 | 24 | 10.5 | 24 | 7.5 | 22 | 10.5 | 25 | 10.5 | 23 | 7.5 | 24 | 10.5 | 24 | 9.5 | 23 | 10.5 | 23 | 6.5 | 24 | 4.5 | 22 | 9.5 | 19 | 8.5 | 19 |
| 16 | 6 | 8.5 | 6 | 6.5 | 6 | 5.5 | 6 | 3 | 15 | 4.5 | 16 | 7.5 | 16 | 9.5 | 17 | 12 | 17 | 10.5 | 15 | 13 | 16 | 16 | 17 | 19 | 17 |
| 17 | 22 | 9.5 | 14 | 4 | 17 | 3 | 17 | 3 | 17 | 4 | 16 | 4.5 | 16 | 3 | 17 | 4.5 | 17 | 9.5 | 14 | 5.5 | 14 | 5.5 | 21 | 3 | 17 |
| 18 | 10 | 9.5 | 10 | 9.5 | 10 | 7.5 | 11 | 14 | 12 | 13 | 13 | 18 | 12 | 20 | 13 | 19 | 13 | 19 | 14 | 19 | 15 | 33 | 15 | 32 | 16 |
| 19 | 17 | 4.5 | 17 | 4.5 | 17 | 4 | 20 | 4 | 17 | 4.5 | 13 | 5.5 | 6 | 7.5 | 7 | 9.5 | 6 | 8.5 | 6 | 11 | 5 | 16 | 7 | 15 | 17 |
| 20 | 21 | 18 | 20 | 20 | 19 | 19 | 21 | 12 | 19 | 15 | 19 | 20 | 17 | 9.5 | 17 | 9.5 | 16 | 5.5 | 20 | 7.5 | 18 | 16 | 19 | 19 | 19 |
| 21 | 17 | 15 | 18 | 16 | 17 | 24 | 18 | 25 | 18 | 23 | 19 | 23 | 18 | 22 | 19 | 25 | 19 | 22 | 19 | 24 | 19 | 27 | 19 | 26 | 19 |
| 22 | 20 | 12 | 24 | 6.5 | 19 | 6.5 | 30 | 4 | 27 | 4 | 27 | 4 | 27 | 2 | 27 | 4.5 | 19 | 3 | 19 | 4.5 | 19 | 4.5 | 19 | 5.5 | 19 |
| 23 | 14 | 14 | 14 | 11 | 13 | 12 | 14 | 12 | 14 | 17 | 14 | 13 | 13 | 15 | 13 | 14 | 13 | 12 | 12 | 9.5 | 16 | 16 | 16 | 19 | 15 |
| 24 | 15 | 34 | 16 | 18 | 19 | 18 | 25 | 18 | 24 | 19 | 23 | 10.5 | 23 | 10.5 | 22 | 14 | 20 | 16 | 19 | 14 | 19 | 21 | 20 | 20 | 20 |
| 25 | 14 | 29 | 13 | 25 | 13 | 27 | 14 | 27 | 15 | 34 | 15 | 39 | 17 | 22 | 20 | 23 | 21 | 23 | 21 | 25 | 24 | 26 | 20 | 24 | 22 |
| 26 | 23 | 12 | 24 | 7.5 | 25 | 10.5 | 21 | 6.5 | 19 | 7.5 | 19 | 8.5 | 22 | 9.5 | 23 | 8.5 | 23 | 7.5 | 20 | 4.5 | 20 | 7.5 | 21 | 4 | 22 |
| 27 | 15 | 19 | 16 | 19 | 16 | 22 | 16 | 22 | 18 | 25 | 19 | 24 | 19 | 20 | 19 | 18 | 20 | 27 | 21 | 26 | 21 | 29 | 20 | 24 | 21 |
| 28 | 18 | 10.5 | 17 | 9.5 | 13 | 13 | 14 | 19 | 14 | 21 | 15 | 32 | 15 | 38 | 20 | 32 | 20 | 25 | 20 | 28 | 22 | 34 | 21 | 31 | 24 |
| 29 | 23 | 21 | 24 | 27 | 24 | 19 | 23 | 27 | 22 | 23 | 22 | 18 | 23 | 20 | 22 | 26 | 23 | 26 | 22 | 23 | 23 | 18 | 25 | 15 | 23 |
| 30 | 20 | 36 | 20 | 38 | 19 | 37 | 19 | 41 | 19 | 47 | 23 | 35 | 27 | 36 | 27 | 31 | 25 | 26 | 26 | 26 | 26 | 30 | 27 | 29 | 27 |
| 31 | 22 | 10.5 | 23 | 12 | 22 | 11 | 21 | 9.5 | 20 | 12 | 22 | 8.5 | 21 | 6.5 | 21 | 4.5 | 20 | 7.5 | 20 | 5.5 | 20 | 6.5 | 19 | 10.5 | 18 |

## RAINFALL

GAUGE { RIM ABOVE GROUND 2 FEET / RIM ABOVE MEAN SEA LEVEL 180 FEET }

| DAYS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 085 | 077 | 070 | 082 | 072 | 060 | 049 | 021 | 019 | 011 | 002 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 4 | — | — | — | — | — | — | 056 | 026 | 028 | 040 | 008 | 012 | 008 | — | — | — | — | — | — | 018 | 016 | 038 | 027 | 018 |
| 5 | 030 | 045 | 009 | 020 | 019 | 012 | 011 | 009 | 014 | 021 | 010 | 020 | 045 | 040 | 025 | 016 | 008 | 007 | 002 | — | — | — | — | — |
| 6 | 001 | — | — | 052 | 004 | 052 | — | 002 | — | — | — | — | — | — | — | — | — | 008 | 027 | 064 | 056 | 005 | 006 | 002 |
| 7 | 001 | — | 056 | — | — | — | — | — | — | — | — | — | — | — | — | 004 | 001 | 031 | 152 | 027 | 039 | 040 | 004 | — |
| 8 | 012 | 110 | 074 | 068 | 020 | 039 | 013 | 006 | 012 | 003 | — | — | — | — | — | — | — | — | — | — | — | — | 009 | 010 |
| 9 | — | 001 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 001 | 001 | 001 | 001 | 001 | — | — | 001 |
| 10 | 001 | 001 | 001 | — | 001 | — | — | — | 001 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 11 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 003 |
| 12 | 003 | 002 | — | 001 | — | — | 001 | Snow = | 080 | — | — | — | — | 002 | 006 | 001 | — | 001 | — | — | — | — | — | — |
| 13 | — | — | — | — | 001 | — | — | — | — | — | 019 | 020 | 015 | 002 | 002 | 016 | — | 003 | 007 | 002 | 002 | 002 | 002 | 001 |
| 14 | 001 | 010 | 013 | 002 | — | 003 | 002 | — | — | — | — | 002 | 028 | 049 | 121 | 050 | 031 | 003 | 002 | — | 001 | 001 | 002 | 010 |
| 15 | — | 014 | 012 | 008 | — | 001 | 003 | 001 | 001 | — | — | — | — | — | — | — | 030 | 038 | 018 | 008 | 001 | 004 | 020 | |
| 16 | 004 | 002 | 002 | 001 | 001 | — | — | — | 001 | 001 | — | 014 | 040 | 044 | 017 | 015 | 004 | — | 001 | 003 | 010 | 022 | 015 | 045 |
| 17 | 004 | 004 | 002 | — | — | — | — | — | — | 002 | — | — | — | — | — | — | 009 | — | — | — | — | — | — | — |
| 18 | 001 | — | 001 | — | 001 | 002 | 006 | 009 | 017 | 022 | 014 | 020 | 006 | 064 | 030 | — | 026 | — | 002 | 007 | 001 | 006 | 004 | 001 |
| 19 | 001 | — | 003 | 039 | — | 001 | 005 | 020 | 039 | 015 | 037 | 028 | 120 | 001 | 001 | 023 | 005 | 002 | 001 | 001 | 001 | 001 | — | — |
| 20 | 002 | — | 001 | 001 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 21 | — | — | 028 | 034 | 038 | 020 | — | 008 | 017 | 013 | — | — | — | — | — | — | — | — | 009 | 040 | 059 | 022 | 008 | 001 |
| 22 | 001 | — | — | 002 | — | — | — | 001 | — | — | — | — | — | — | — | — | — | — | — | 002 | 002 | — | — | — |
| 23 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 002 | 016 | 018 | 030 | 048 | 005 | 024 | 003 | 043 |
| 24 | 045 | 029 | 001 | 008 | 007 | 001 | 001 | 013 | 026 | — | — | — | — | — | — | — | 007 | 001 | 004 | 004 | 001 | 001 | 003 | 003 |
| 25 | 012 | 020 | 002 | 044 | 048 | 080 | 054 | 006 | 001 | 002 | 012 | — | 022 | 018 | 010 | 005 | 030 | 006 | 018 | — | — | 009 | 002 | — |
| 26 | — | 007 | 002 | 001 | 001 | 001 | — | 001 | 001 | — | 015 | 020 | 003 | — | — | — | — | — | — | 002 | — | — | — | — |
| 27 | 007 | 028 | 045 | 020 | 022 | 008 | — | — | 002 | 028 | 035 | — | — | — | — | 002 | 003 | — | — | — | — | — | — | — |
| 28 | — | — | — | — | 064 | 061 | 088 | 088 | — | — | 011 | 019 | 001 | 048 | 001 | 010 | — | 003 | 017 | 009 | 001 | — | — | 001 |
| 29 | — | 001 | — | 002 | 001 | — | — | 107 | 028 | 030 | 054 | 046 | 104 | 146 | 190 | 118 | 120 | 012 | 030 | 047 | 096 | 129 | 015 | 012 |
| 30 | 017 | 034 | 045 | 050 | 048 | 039 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 31 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 010 | 065 | 065 | 070 | 022 | 022 | 019 | 030 | 007 |

* Record defective or Instrument out of action. " Obtained from reading of Standard ‡ Approximate.

# HOURLY VALUES *January* 1877.

## AND VELOCITY IN MILES PER HOUR

| DAYS | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | MIDT. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V |
| 1 | 20 | 4 | 20 | 4 | 22 | 4 | 23 | 4 | 16 | 4 | 8·5 | 6 | 4 | 5 | 5·5 | 5 | 8·5 | 5 | 4·5 | 5 | 3 | |
| 2 | 2 | 5 | 4 | 5 | 3 | 5 | 4·5 | 5 | 4·5 | 5 | 3 | 5 | 7·5 | 6 | 6·5 | 6 | 4·5 | 6 | 6·5 | 6 | 5·5 | |
| 3 | 29 | 5 | 30 | 5 | 26 | 6 | 28 | 7 | 32 | 5 | 31 | 5 | 28 | 5 | 26 | 4 | 30 | 5 | 27 | 5 | 27 | |
| 4 | 22 | 5 | 18 | 5 | 19 | 5 | 24 | 5 | 30 | 5 | 26 | 5 | 26 | 5 | 24 | 5 | 25 | 5 | 24 | 4 | 19 | |
| 5 | 18 | 6 | 17 | 6 | 16 | 6 | 16 | 6 | 12 | 5 | 9·5 | 5 | 9·5 | 6 | 11 | 6 | 5·5 | 6 | 5·5 | 5 | 8·5 | |
| 6 | 9·5 | 7 | 12 | 5 | 21 | 5 | 24 | 5 | 27 | 5 | 27 | 6 | 27 | 6 | 22 | 5 | 16 | 9 | 12 | 13 | 13 | |
| 7 | 12 | 10 | 15 | 13 | 17 | 13 | 26 | 16 | 31 | 16 | 32 | 17 | 31 | 17 | 29 | 17 | 30 | 17 | 32 | 17 | 36 | |
| 8 | 19 | 20 | 12 | 20 | 7·5 | 20 | 7·5 | 20 | 4·5 | 20 | 4 | 20 | 4·5 | 12 | 5·5 | 9 | 7·5 | 8 | 7·5 | 7 | 7·5 | |
| 9 | 13 | 6 | 11 | 7 | 12 | 7 | 10·5 | 7 | 11 | 7 | 15 | 7 | 17 | 6 | 14 | 6 | 14 | 7 | 15 | 6 | 15 | |
| 10 | 14 | 5 | 15 | 5 | 17 | 5 | 18 | 5 | 16 | 5 | 16 | 6 | 14 | 6 | 13 | 6 | 13 | 5 | 13 | 5 | 16 | |
| 11 | 7·5 | 8 | 6·5 | 6 | 8·5 | 6 | 7·5 | 7 | 7·5 | 9 | 6·5 | 9 | 6·5 | 9 | 7·5 | 9 | 10·5 | 9 | 12 | 9 | 8·5 | |
| 12 | 7·5 | 3 | 4·5 | 3 | 4·5 | 29 | 4 | 32 | 4·5 | 1 | 4·5 | 31 | 4 | 29 | 3 | 29 | 3 | 2 | 3 | 2 | 3 | |
| 13 | 7·5 | 11 | 7·5 | 10 | 9·5 | 8 | 10·5 | 7 | 7·5 | 7 | 10·5 | 5 | 11 | 5 | 9·5 | 5 | 11 | 5 | 12 | 5 | 11 | |
| 14 | 11 | 6 | 9·5 | 3 | 9·5 | 27 | 6·5 | 21 | 4·5 | 21 | 7·5 | 23 | 8·5 | 24 | 10·5 | 22 | 9·5 | 22 | 9·5 | 25 | 11 | |
| 15 | 9·5 | 16 | 9·5 | 15 | 10·5 | 14 | 9·5 | 10 | 13 | 8 | 10·5 | 6 | 13 | 6 | 12 | 5 | 13 | 6 | 14 | 6 | 11 | |
| 16 | 22 | 18 | 18 | 20 | 19 | 19 | 22 | 19 | 21 | 20 | 14 | 19 | 17 | 24 | 14 | 22 | 9·5 | 22 | 9·5 | 21 | 12 | |
| 17 | 10·5 | 16 | 10·5 | 22 | 12 | 19 | 7·5 | 20 | 5·5 | 19 | 4 | 18 | 6·5 | 18 | 4·5 | 18 | 4·5 | 17 | 7·5 | 17 | 7·5 | |
| 18 | 16 | 17 | 12 | 18 | 10·5 | 18 | 10·5 | 17 | 12 | 18 | 10·5 | 23 | 8·5 | 20 | 5·5 | 18 | 4·5 | 17 | 5·5 | 17 | 4·5 | |
| 19 | 31 | 17 | 30 | 18 | 26 | 23 | 20 | 23 | 24 | 22 | 24 | 22 | 19 | 22 | 18 | 21 | 18 | 19 | 18 | 19 | 17 | |
| 20 | 17 | 19 | 15 | 17 | 15 | 18 | 16 | 17 | 15 | 17 | 19 | 17 | 17 | 17 | 20 | 17 | 14 | 15 | 10·5 | 18 | 9·5 | |
| 21 | 25 | 19 | 24 | 19 | 23 | 18 | 24 | 19 | 26 | 20 | 23 | 22 | 15 | 24 | 15 | 22 | 11 | 21 | 11 | 22 | 8·5 | |
| 22 | 6·5 | 19 | 10·5 | 6 | 4·5 | 12 | 8·5 | 13 | 9·5 | 15 | 13 | 14 | 16 | 15 | 5·5 | 16 | 6·5 | 15 | 12 | 14 | 9·5 | |
| 23 | 22 | 15 | 22 | 15 | 25 | 16 | 24 | 15 | 29 | 15 | 29 | 15 | 30 | 15 | 30 | 15 | 27 | 15 | 31 | 15 | 32 | |
| 24 | 18 | 19 | 21 | 19 | 18 | 21 | 13 | 19 | 5·5 | 18 | 11 | 17 | 11 | 17 | 15 | 16 | 13 | 14 | 19 | 14 | 23 | |
| 25 | 16 | 22 | 18 | 26 | 19 | 20 | 8·5 | 21 | 11 | 24 | 14 | 23 | 14 | 21 | 15 | 22 | 22 | 23 | 15 | 21 | 13 | |
| 26 | 11 | 19 | 9·5 | 18 | 7·5 | 17 | 8·5 | 16 | 10·5 | 16 | 11 | 14 | 13 | 15 | 16 | 14 | 14 | 14 | 12 | 15 | 17 | |
| 27 | 27 | 22 | 23 | 22 | 15 | 20 | 15 | 22 | 17 | 22 | 18 | 22 | 12 | 19 | 11 | 17 | 10·5 | 19 | 14 | 17 | 15 | |
| 28 | 30 | 20 | 31 | 20 | 30 | 22 | 31 | 20 | 32 | 22 | 29 | 20 | 29 | 23 | 22 | 21 | 18 | 21 | 23 | 22 | 32 | |
| 29 | 20 | 21 | 17 | 22 | 13 | 22 | 14 | 21 | 16 | 19 | 15 | 19 | 16 | 18 | 6·5 | 22 | 25 | 21 | 40 | 21 | 36 | |
| 30 | 20 | 26 | 21 | 26 | 21 | 26 | 17 | 26 | 13 | 26 | 19 | 26 | 19 | 24 | 14 | 24 | 12 | 24 | 11 | 24 | 10·5 | |
| 31 | 11 | 16 | 14 | 13 | 12 | 11 | 10·5 | 10 | 7·5 | 10 | 8·5 | 5 | 9·5 | 5 | 8·5 | 5 | 13 | 5 | 8·5 | 5 | 7·5 | |

# VAPOUR TENSION. *IN INCHES, BY GLAISHER'S TABLES, 5TH EDITION.*

| DAYS. | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 194 | 192 | 184 | 185 | 188 | 181 | 177 | 174 | 171 | 166 | 167 | 159 | 160 | 157 | 149 | 147 | 141 | 154 | 157 | 157 | 159 | 151 | 147 |
| 2 | 113 | 120 | 111 | 111 | 109 | 113 | 104 | 100 | 107 | 112 | 113 | 110 | ‡119 | 122 | †128 | 127 | 121 | 126 | 122 | 105 | 107 | 094 | 093 |
| 3 | 16 | 12 | 107 | 107 | 102 | 107 | 104 | 122 | 133 | 140 | 150 | 154 | 157 | 169 | 155 | 154 | 146 | 160 | 166 | 170 | 167 | .... | .... |
| 4 | .... | * | .... | 179 | 178 | 180 | 177 | 179 | 179 | 181 | 184 | 187 | 187 | 183 | 184 | 183 | 182 | 179 | 179 | 183 | 181 | 183 | 180 | 182 |
| 5 | 176 | 178 | 177 | 176 | 176 | 174 | 179 | 178 | 178 | 182 | 181 | 185 | 186 | 187 | 190 | 190 | 190 | 197 | 198 | 198 | 198 | 199 | 200 |
| 6 | 201 | 199 | 196 | 201 | 198 | 202 | 208 | 200 | 204 | 202 | 207 | 204 | 206 | 203 | 194 | 193 | 198 | 196 | 207 | 216 | 217 | 236 | 233 |
| 7 | 244 | 248 | 251 | 243 | 238 | 236 | 230 | 229 | 236 | 238 | 238 | 236 | 234 | 236 | 236 | 226 | 252 | 255 | 273 | 257 | 262 | 253 | 249 |
| 8 | 262 | 263 | 260 | 271 | 273 | 274 | 271 | 273 | 274 | 275 | 267 | 267 | 268 | 269 | 271 | 271 | 272 | 265 | 257 | 255 | 256 | 249 | 247 |
| 9 | 229 | 236 | 225 | 215 | 214 | 216 | 218 | 229 | 216 | 216 | 199 | 190 | 197 | 191 | 196 | 196 | 192 | 188 | 180 | 177 | 175 | 168 | 176 |
| 10 | 179 | 180 | 183 | 176 | 181 | 168 | 171 | 171 | 179 | 186 | 181 | 183 | 182 | 181 | 186 | 191 | 190 | 189 | 188 | 187 | 187 | 182 | 181 |
| 11 | 179 | 176 | 171 | 172 | 175 | 169 | 172 | 173 | 173 | 174 | 168 | 160 | 163 | 165 | 169 | 168 | 162 | 157 | 155 | 156 | 148 | 143 | 138 |
| 12 | 138 | 139 | 143 | 152 | 150 | .... | .... | .... | .... | .... | .... | * | .... | .... | .... | .... | .... | †160 | 165 | 159 | 139 | 150 | 149 | 147 |
| 13 | 146 | 150 | 156 | 164 | 166 | .... | * | .... | 180 | 177 | 174 | 182 | 180 | 182 | 186 | 189 | 185 | 190 | 190 | 190 | 192 | 191 | 190 |
| 14 | 193 | 194 | 200 | 197 | 205 | 226 | 222 | 226 | 237 | 226 | 233 | 229 | 243 | 238 | 241 | 230 | 234 | 231 | 226 | 229 | 220 | 212 | 210 |
| 15 | 202 | 196 | 196 | 183 | 182 | 187 | 180 | 180 | 184 | 196 | 207 | 211 | 210 | 198 | 195 | 199 | 199 | 199 | 200 | 199 | 202 | 206 | 206 |
| 16 | 213 | 222 | 223 | 247 | 251 | 245 | 237 | 234 | 236 | 264 | 267 | 292 | 300 | 318 | 326 | 313 | 319 | 320 | 312 | 293 | 267 | 261 | 256 |
| 17 | 235 | 232 | 231 | 219 | 214 | 214 | 208 | 208 | 207 | 211 | 214 | 216 | 225 | 232 | 238 | 234 | 235 | 232 | 217 | 212 | 205 | 201 | 191 |
| 18 | 186 | 190 | 199 | 204 | 207 | 222 | 211 | 219 | 224 | 233 | 246 | 260 | 271 | 281 | 267 | 267 | 266 | 263 | 264 | 247 | 252 | 253 | 254 |
| 19 | 253 | 256 | 251 | 244 | 244 | 254 | 246 | 249 | 254 | 247 | 265 | 308 | 290 | 278 | 255 | 208 | 197 | 196 | 212 | 216 | 201 | 216 | 215 |
| 20 | 200 | 188 | 185 | 191 | 189 | 192 | 196 | 199 | 198 | 209 | 216 | 220 | 221 | 219 | 215 | 196 | 196 | 196 | 200 | 205 | 207 | 213 | 219 |
| 21 | 219 | 233 | 238 | 249 | 246 | 250 | 256 | 260 | 267 | 258 | 262 | 265 | 267 | 265 | 262 | 265 | 262 | 251 | 246 | 224 | 228 | 218 | 202 |
| 22 | 202 | 203 | 198 | 202 | 204 | 196 | 197 | 200 | 183 | 193 | 196 | 200 | 206 | 217 | 220 | 239 | 246 | 230 | 216 | 210 | 203 | 203 | 203 |
| 23 | 207 | 214 | 217 | 217 | 215 | 225 | 229 | 229 | 236 | 228 | 232 | 233 | 225 | 225 | 232 | 227 | 230 | 232 | 233 | 235 | 238 | 244 | 243 |
| 24 | 251 | 259 | 202 | 195 | 195 | 192 | 201 | 191 | 197 | 199 | 194 | 193 | 196 | 195 | 196 | 205 | 208 | 216 | 212 | 208 | 209 | 202 | 206 |
| 25 | 193 | 194 | 200 | 206 | 221 | 246 | 255 | 209 | 197 | 209 | 214 | 204 | 208 | 198 | 180 | 188 | 187 | 187 | 180 | 176 | 180 | 173 | 184 |
| 26 | 183 | 178 | 177 | 166 | 171 | 170 | 165 | 172 | 176 | 179 | 191 | 198 | 199 | 207 | 205 | 206 | 197 | 189 | 185 | 191 | 198 | 199 | 203 |
| 27 | 225 | 236 | 256 | 272 | 275 | 267 | 258 | 250 | 227 | 234 | 235 | 232 | 229 | 227 | 219 | 214 | 222 | 212 | 217 | 219 | 218 | 227 | 229 |
| 28 | 217 | 212 | 205 | 227 | 217 | 235 | 274 | 218 | 190 | 179 | 190 | 179 | 186 | 180 | 176 | 164 | 165 | 155 | 169 | .... | * | * | .... |
| 29 | * | * | 168 | 152 | 169 | 165 | 181 | 179 | 190 | 190 | 190 | 199 | 189 | 193 | 198 | 194 | 197 | 206 | 208 | 205 | 209 | 224 | 247 | 250 |
| 30 | 257 | 253 | 253 | 251 | 217 | 174 | 181 | 156 | 163 | 171 | 172 | 170 | 165 | 164 | 171 | 169 | 170 | 184 | 176 | 169 | 170 | 169 | 174 |
| 31 | 182 | 187 | 184 | 181 | 186 | 191 | 194 | 203 | 204 | 220 | 220 | 217 | 212 | 210 | 208 | 202 | 202 | 200 | 206 | 207 | 206 | 204 | 210 |

*Meteorological Office,*
*116, Victoria Street, Westminster, S.W.*
**ROBERT H. SCOTT, Director.**

# ABERDEEN OBSERVATORY LAT. 57°10′ N. LONG. 2°6′ W.

## BAROMETER.

| DAYS. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28·917 | 28·929 | 28·941 | 28·918 | 28·914 | 28·918 | 28·906 | 28·899 | 28·896 | 28·899 | 28·909 | 28·917 | 28·92 |
| 2 | 29 292 | 29·317 | 29·351 | 29·372 | 29·397 | 29·422 | 29·445 | 29·472 | 29·500 | 29·518 | 29·534 | 29·552 | 29·56 |
| 3 | ·732 | ·739 | ·742 | ·749 | ·752 | ·752 | 747 | 739 | ·752 | ·747 | ·750 | ·730 | ·69 |
| 4 | 29·437 | 29·406 | 29·367 | 29·334 | 29·302 | 29·277 | 29·244 | 29·227 | 29·213 | 29·177 | 29·154 | 29·122 | 29·10 |
| 5 | 28·984 | 28·973 | 28·964 | 28·965 | 28·958 | 28·946 | 28·944 | 28·937 | 28·941 | 28·949 | 28·951 | 28·944 | 28·94 |
| 6 | ·976 | ·979 | ·980 | ·981 | ·975 | ·974 | ·986 | ·982 | ·989 | ·996 | ·991 | ·987 | ·98 |
| 7 | ·662 | ·661 | ·657 | ·653 | ·646 | ·647 | ·664 | ·701 | ·726 | 747 | 28·777 | 28·782 | 28·77 |
| 8 | 28·814 | 28·828 | 28·820 | 28·854 | 28·844 | 28·853 | 28·891 | 28·908 | 28·933 | 28·976 | 29·010 | 29·025 | 29·05 |
| 9 | 29·314 | 29·343 | 29·360 | 29·374 | 29·388 | 29·418 | 29·447 | 29·485 | 29·525 | 29·570 | 29·623 | 29·656 | 29·68 |
| 10 | 30·013 | 30·032 | 30·036 | 30·040 | 30·053 | 30·067 | 30·063 | 30·078 | 30·093 | 30·108 | 30·109 | 30·108 | 30·10 |
| 11 | 30·019 | 30·004 | 29·990 | 29·968 | 29·943 | 29·934 | 29·920 | 29·915 | 29·909 | 29·894 | 29·877 | 29·853 | 29·80 |
| 12 | 29·692 | 29·679 | ·677 | ·669 | ·670 | ·669 | ·667 | ·681 | ·702 | ·713 | ·715 | ·726 | ·73 |
| 13 | ·885 | ·891 | ·897 | ·885 | ·878 | ·877 | ·872 | ·874 | ·874 | ·865 | ·861 | ·842 | ·83 |
| 14 | ·777 | ·747 | ·715 | ·702 | ·680 | ·651 | ·600 | ·587 | ·565 | ·531 | ·501 | ·471 | ·43 |
| 15 | ·404 | ·432 | ·460 | ·462 | ·502 | ·542 | ·591 | ·629 | ·651 | ·677 | ·714 | ·728 | ·74 |
| 16 | ·770 | ·754 | ·738 | ·712 | ·708 | ·688 | ·667 | ·653 | ·638 | ·621 | ·607 | ·589 | ·58 |
| 17 | ·585 | ·583 | ·594 | ·589 | ·594 | ·585 | ·570 | ·561 | ·562 | ·556 | ·547 | ·523 | ·51 |
| 18 | ·569 | ·563 | ·540 | ·512 | ·488 | ·473 | ·440 | ·397 | ·384 | ·366 | ·341 | ·303 | ·29 |
| 19 | ·394 | ·401 | ·404 | ·396 | ·387 | ·406 | ·394 | ·373 | ·367 | 29·364 | 29·316 | 29·267 | 29·21 |
| 20 | 29·690 | 29·746 | 29·781 | 29 809 | 29·847 | 29·883 | 29·914 | 29·941 | 29·985 | 30 015 | 30 026 | 30 047 | 30 06 |
| 21 | 30·106 | 30·067 | 30·065 | 30·065 | 30·075 | 30·074 | 30·086 | 30·124 | 30·137 | ·130 | ·129 | ·122 | ·12 |
| 22 | ·219 | ·204 | ·262 | ·282 | ·287 | ·294 | ·314 | ·334 | ·350 | ·365 | 30·359 | 30·360 | 30·30 |
| 23 | 30·122 | 30·128 | 30·118 | 30·108 | 30·097 | 30·088 | 30·082 | 30·069 | 30 044 | 30 012 | 29·981 | 29·938 | 29·89 |
| 24 | 29·567 | 29·538 | 29·503 | 29·475 | 29·471 | 29·535 | 29·557 | 29·596 | 29·655 | 29·686 | ·736 | ·746 | ·76 |
| 25 | ·670 | ·611 | ·537 | ·466 | ·419 | ·343 | ·293 | ·258 | ·230 | ·213 | ·226 | ·224 | ·26 |
| 26 | ·576 | ·597 | ·624 | ·662 | ·680 | ·717 | ·756 | ·799 | ·838 | ·861 | ·890 | ·909 | ·90 |
| 27 | ·782 | ·767 | ·717 | ·687 | ·660 | ·618 | ·620 | ·632 | ·629 | ·638 | ·648 | ·647 | ·65 |
| 28 | ·813 | ·786 | ·743 | ·702 | ·636 | ·553 | ·457 | ·352 | ·287 | ·251 | ·262 | ·253 | ·26 |
| 29 | ·247 | ·260 | 29·283 | 29·305 | 29·330 | 29·347 | 29·372 | 29·380 | 29·372 | 29·382 | 29·374 | ·366 | ·36 |
| 30 | ·114 | ·043 | 28·971 | 28·887 | 28·799 | 28·721 | 28·687 | 28·719 | 28·804 | 28·869 | 28·947 | ·016 | ·08 |
| 31 | 29·622 | 29·632 | 29·640 | 29·650 | 29·680 | 29·719 | 29·732 | 29·759 | 29·767 | 29·782 | 29·796 | 29·789 | 29·78 |

## DRY BULB THERMOMETER 41 FEET ABOVE GROUND.

| DAYS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MDT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 37·7 | 37·2 | 38·1 | 36·4 | 36·6 | 38·7 | 36·8 | 38·3 | 36·7 | 36·6 | 37·0 | 35·2 | 36·1 | 35·8 | 35·2 | 35·0 | 34·8 | 34·6 | 34·4 | 33·3 | 33·0 | 31·8 | 31·2 | 31·3 |
| 2 | 31·1 | 30·4 | 29·9 | 29·0 | 29·3 | 29·0 | 28·8 | 28·5 | 28·9 | 29·8 | 30·6 | 31·6 | 32·0 | 31·7 | 30·6 | 30·0 | 28·9 | 27·5 | 26·7 | 27·1 | 26·2 | 26·0 | 25·1 | 25·3 |
| 3 | 24·2 | 23·9 | 23·1 | 23·1 | 22·4 | 22·2 | 22·5 | 22·4 | 22·3 | 22·6 | 23·4 | 25·4 | 25·6 | 26·7 | 26·8 | 28·4 | 31·6 | 38·3 | 38·2 | 36·1 | 37·4 | 32·5 | 33·8 | 32·4 |
| 4 | 33·5 | 35·4 | 34·3 | 35·9 | 35·9 | 36·4 | 36·8 | 35·7 | 36·1 | 35·4 | 35·6 | 35·2 | 36·0 | 35·1 | 36·0 | 35·1 | 35·7 | 35·5 | 35·5 | 35·6 | 35·0 | 35·9 | 36·0 | 36·2 |
| 5 | 35·4 | 35·5 | 36·0 | 36·0 | 35·7 | 36·0 | 35·5 | 34·3 | 34·4 | 34·5 | 34·8 | 35·0 | 35·7 | 34·9 | 35·4 | 34·7 | 34·9 | 36·6 | 35·1 | 35·4 | 35·6 | 35·0 | 34·8 | 34·6 |
| 6 | 34·6 | 35·0 | 34·7 | 34·7 | 34·8 | 34·4 | 35·0 | 34·3 | 34·4 | 34·4 | 34·6 | 34·8 | 36·0 | 36·1 | 36·1 | 35·9 | 35·5 | 33·5 | 36·3 | 40·6 | 41·3 | 41·3 | 41·8 | 43·4 |
| 7 | 44·0 | 43·7 | 43·7 | 44·4 | 44·3 | 44·3 | 43·6 | 43·5 | 43·7 | 43·2 | 44·0 | 44·6 | 44·4 | 44·1 | 43·4 | 42·9 | 42·3 | 43·1 | 44·2 | 44·0 | 45·3 | 45·3 | 45·0 | 45·1 |
| 8 | 45·4 | 46·4 | 46·6 | 46·5 | 45·6 | 45·7 | 45·6 | 46·3 | 46·1 | 45·4 | 45·2 | 45·1 | 44·9 | 45·1 | 45·3 | 43·5 | 42·9 | 41·5 | 41·5 | 42·7 | 41·6 | 40·3 | 39·3 | 39·2 |
| 9 | 39·4 | 38·6 | 38·3 | 37·8 | 37·8 | 37·5 | 37·5 | 38·1 | 38·4 | 38·1 | 38·2 | 38·4 | 38·3 | 39·0 | 38·1 | 36·9 | 36·6 | 34·4 | 35·3 | 33·7 | 32·7 | 32·8 | 32·1 | 31·9 |
| 10 | 31·4 | 31·6 | 31·3 | 31·0 | 30·7 | 30·6 | 30·6 | 30·2 | 31·0 | 31·3 | 32·2 | 32·6 | 33·4 | 33·6 | 33·9 | 35·2 | 34·9 | 36·2 | 36·2 | 35·3 | 34·7 | 34·3 | 35·1 | 36·7 |
| 11 | 37·6 | 37·4 | 37·6 | 37·4 | 37·4 | 37·2 | 33·8 | 34·8 | 37·4 | 37·2 | 37·0 | 37·0 | 37·4 | 36·0 | 36·3 | 36·6 | 37·1 | 37·0 | 36·7 | 35·4 | 35·5 | 35·4 | 34·1 | 33·6 |
| 12 | 33·7 | 33·5 | 33·2 | 32·6 | 32·0 | 32·6 | 31·6 | 32·0 | 32·3 | 34·3 | 35·3 | 36·4 | 36·9 | 35·4 | 36·3 | 34·1 | 34·0 | 34·1 | 34·3 | 34·4 | 34·5 | 34·8 | 34·9 | 36·1 |
| 13 | 34·8 | 35·0 | 35·2 | 35·4 | 36·3 | 36·3 | 38·7 | 38·2 | 37·5 | 38·4 | 39·1 | 39·3 | 39·6 | 39·4 | 39·0 | 39·2 | 39·6 | 39·2 | 39·0 | 38·8 | 39·2 | 39·6 | 39·7 | 39·8 |
| 14 | 40·1 | 40·2 | 40·4 | 40·8 | 40·3 | 40·4 | 40·2 | 40·7 | 41·3 | 41·5 | 41·6 | 41·6 | 42·1 | 42·2 | 42·2 | 42·6 | 42·6 | 42·6 | 42·9 | 43·0 | 42·0 | 40·8 | 40·0 | 39·6 |
| 15 | 39·3 | 40·3 | 40·0 | 40·9 | 41·1 | 40·5 | 39·3 | 37·7 | 36·9 | 38·1 | 38·7 | 39·0 | 39·0 | 39·7 | 38·7 | 37·9 | 37·1 | 36·3 | 36·2 | 34·4 | 35·3 | 37·2 | 37·8 | 39·2 |
| 16 | 40·2 | 40·9 | 40·8 | 41·7 | 41·1 | 41·4 | 41·8 | 42·1 | 41·8 | 42·5 | 43·1 | 43·7 | 43·7 | 43·7 | 44·0 | 44·2 | 44·9 | 45·0 | 45·4 | 45·3 | 45·0 | 45·0 | 45·2 | 45·4 |
| 17 | 44·5 | 44·4 | 43·6 | 43·6 | 42·4 | 42·1 | 42·1 | 41·5 | 40·5 | 40·2 | 39·6 | 40·4 | 42·0 | 42·6 | 41·6 | 39·7 | 39·2 | 39·7 | 38·5 | 39·0 | 38·3 | 36·9 | 37·5 | 36·9 |
| 18 | 36·7 | 36·8 | 36·9 | 36·3 | 36·6 | 38·9 | 40·6 | 41·5 | 41·8 | 41·8 | 41·6 | 42·1 | 42·6 | 42·7 | 43·1 | 43·7 | 44·3 | 44·6 | 44·5 | 44·5 | 44·1 | 42·5 | 41·6 | 40·8 |
| 19 | 40·3 | 38·8 | 40·8 | 39·7 | 40·0 | 41·0 | 40·7 | 41·1 | 42·6 | 42·5 | 42·7 | 43·0 | 43·4 | 43·7 | 45·7 | 47·1 | 46·6 | 45·4 | 41·7 | 39·9 | 40·0 | 39·8 | 41·0 | 41·2 |
| 20 | 38·0 | 37·0 | 36·8 | 36·6 | 36·6 | 35·5 | 35·2 | 36·7 | 36·1 | 37·1 | 38·6 | 39·8 | 40·9 | 41·6 | 40·7 | 39·6 | 38·6 | 39·0 | 39·1 | 39·5 | 38·9 | 38·4 | 38·3 | 39·6 |
| 21 | 39·8 | 40·1 | 41·4 | 42·3 | 42·9 | 42·6 | 42·7 | 42·2 | 42·0 | 42·1 | 43·3 | 46·1 | 46·7 | 45·6 | 46·2 | 44·9 | 44·1 | 44·1 | 44·5 | 44·3 | 43·4 | 42·4 | 41·0 | 39·8 |
| 22 | 39·0 | 38·5 | 38·6 | 38·4 | 38·3 | 38·7 | 38·2 | 38·0 | 38·4 | 38·1 | 39·1 | 39·2 | 39·9 | 40·4 | 39·8 | 38·2 | 37·1 | 37·4 | 38·0 | 38·3 | 38·7 | 38·9 | 38·1 | 38·0 |
| 23 | 38·3 | 38·2 | 38·1 | 38·2 | 38·6 | 37·4 | 38·5 | 39·4 | 39·7 | 39·9 | 40·7 | 41·3 | 42·4 | 42·3 | 42·3 | 42·5 | 43·2 | 43·6 | 43·1 | 43·2 | 42·8 | 42·6 | 42·6 | 42·6 |
| 24 | 40·1 | 42·4 | 42·1 | 42·1 | 42·4 | 38·3 | 38·7 | 38·1 | 38·4 | 37·5 | 39·2 | 39·6 | 41·4 | 41·3 | 40·5 | 39·4 | 38·0 | 37·5 | 37·2 | 36·7 | 36·2 | 36·6 | 37·9 | 39·7 |
| 25 | 39·5 | 42·2 | 40·7 | 39·7 | 37·7 | 37·9 | 38·0 | 38·7 | 40·0 | 40·9 | 41·7 | 42·4 | 42·6 | 42·4 | 41·6 | 41·0 | 39·1 | 38·7 | 38·5 | 38·9 | 38·1 | 38·9 | 39·1 | 38·2 |
| 26 | 38·0 | 38·7 | 38·0 | 38·4 | 38·5 | 38·0 | 38·6 | 39·2 | 38·3 | 37·0 | 37·6 | 39·4 | 40·3 | 41·0 | 40·6 | 39·6 | 37·8 | 36·6 | 36·1 | 36·4 | 36·4 | 37·4 | 39·2 | 39·8 |
| 27 | 39·6 | 39·9 | 39·4 | 40·0 | 39·9 | 39·8 | 40·0 | 40·3 | 41·6 | 42·3 | 42·4 | 43·7 | 45·2 | 44·9 | 44·3 | 44·0 | 40·2 | 40·9 | 39·6 | 39·0 | 38·0 | 38·6 | 37·4 | 37·0 |
| 28 | 37·1 | 36·7 | 36·7 | 36·7 | 37·8 | 40·6 | 42·3 | 40·3 | 40·9 | 40·7 | 41·1 | 42·6 | 38·4 | 40·2 | 39·7 | 37·9 | 35·2 | 34·9 | 34·1 | 34·1 | 33·3 | 33·4 | 32·7 | 32·7 |
| 29 | 33·8 | 33·9 | 34·2 | 34·4 | 35·4 | 33·0 | 32·8 | 33·7 | 33·4 | 34·1 | 36·3 | 37·0 | 37·4 | 37·5 | 37·1 | 38·0 | 35·9 | 36·0 | 37·4 | 36·9 | 35·8 | 36·1 | 36·1 | 35·0 |
| 30 | 34·2 | 33·8 | 33·3 | 32·7 | 33·7 | 34·6 | 33·0 | 33·4 | 33·8 | 34·8 | 36·1 | 36·9 | 37·6 | 36·8 | 37·6 | 36·7 | 37·0 | 36·0 | 35·3 | 33·0 | 33·0 | 33·6 | 33·8 | 32·3 |
| 31 | 34·6 | 34·4 | 35·1 | 35·5 | 36·0 | 33·7 | 34·0 | 35·4 | 35·1 | 35·6 | 36·3 | 36·7 | 37·7 | 38·4 | 38·3 | 38·0 | 38·1 | 38·0 | 37·5 | 38·6 | 36·0 | 31·6 | 34·0 | 34·1 |

*Record defective or Instrument out of action. †Reading of Standard.

# HOURLY VALUES *January* 1877.

CISTERN 88 FEET ABOVE MEAN SEA LEVEL.

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ·958 | 28·991 | 29·022 | 29·058 | 29·081 | 29·122 | 29·161 | 29·187 | 29·226 | 29·245 | 29·276 | 1 |
| ·682 | 29·602 | ·617 | ·645 | ·669 | ·686 | ·694 | ·705 | ·717 | ·718 | ·724 | 2 |
| ·664 | ·644 | ·627 | ·601 | ·577 | ·549 | ·538 | ·524 | ·520 | 29·501 | 29·462 | 3 |
| ·078 | 29·069 | 29·056 | 29·047 | 29·046 | 29·030 | 29·037 | 29·029 | 29·017 | 28·999 | 28·994 | 4 |
| ·947 | 28·962 | 28·952 | 28·955 | 28·966 | 28·972 | 28·975 | 28·988 | 28·984 | ·980 | ·980 | 5 |
| ·971 | ·970 | ·954 | ·937 | ·919 | ·894 | ·870 | ·827 | ·777 | ·721 | ·677 | 6 |
| ·792 | 28·804 | 28·817 | 28·824 | 28·831 | 28·817 | 28·797 | 28·780 | 28·778 | 28·786 | 28·807 | 7 |
| ·072 | 29·090 | 29·098 | 29·109 | 29·168 | 29·193 | 29·221 | 29·255 | 29·277 | 29·291 | 29·302 | 8 |
| ·722 | 29·760 | 29·798 | 29·833 | 29·866 | 29·892 | 29·915 | 29·942 | 29·963 | 29·982 | 29·995 | 9 |
| ·104 | 30·096 | 30·092 | 30·094 | 30·088 | 30·086 | 30·079 | 30·079 | 30·066 | 30·049 | 30·039 | 10 |
| ·817 | 29·804 | 29·784 | 29·776 | 29·766 | 29·764 | 29·747 | 29·728 | 29·721 | 29·717 | 29·701 | 11 |
| ·752 | ·779 | ·798 | ·811 | ·832 | ·845 | ·862 | ·869 | ·883 | ·884 | ·895 | 12 |
| ·829 | ·816 | ·809 | ·812 | ·815 | ·812 | ·805 | ·806 | ·805 | ·801 | ·791 | 13 |
| ·402 | ·387 | ·361 | ·351 | ·341 | ·327 | ·335 | ·352 | ·359 | ·370 | ·387 | 14 |
| ·767 | ·772 | ·775 | ·793 | ·814 | ·818 | ·817 | ·816 | ·825 | ·818 | ·790 | 15 |
| ·575 | ·533 | ·548 | ·539 | ·545 | ·565 | ·574 | ·574 | ·584 | ·592 | ·582 | 16 |
| ·513 | ·510 | ·518 | ·523 | ·530 | ·550 | ·559 | ·573 | ·553 | ·558 | ·564 | 17 |
| ·288 | ·287 | ·269 | ·273 | ·273 | ·301 | ·330 | ·344 | ·344 | ·365 | ·381 | 18 |
| ·159 | 29·131 | 29·113 | 29·130 | 29·150 | 29·209 | 29·309 | 29·396 | 29·489 | 29·563 | 29·628 | 19 |
| ·087 | 30·091 | 30·106 | 30·107 | 30·116 | 30·117 | 30·124 | 30·132 | 30·134 | 30·133 | 30·113 | 20 |
| ·120 | ·118 | ·115 | ·114 | ·104 | ·098 | ·110 | ·133 | ·133 | ·165 | ·198 | 21 |
| ·325 | 30·315 | 30·311 | 30·312 | 30·295 | 30·277 | 30·272 | 30·242 | 30·218 | 30·184 | 30·145 | 22 |
| ·867 | 29·835 | 29·798 | 29·777 | 29·758 | 29·730 | 29·695 | 29·673 | 29·643 | 29·628 | 29·602 | 23 |
| ·780 | ·792 | ·790 | ·800 | ·796 | ·806 | ·800 | ·789 | ·781 | ·755 | ·718 | 24 |
| ·274 | ·297 | ·324 | ·341 | ·372 | ·401 | ·429 | ·464 | ·487 | ·506 | ·540 | 25 |
| ·920 | ·940 | ·942 | ·948 | ·938 | ·930 | ·922 | ·901 | ·874 | ·845 | ·813 | 26 |
| ·661 | ·706 | ·711 | ·720 | ·755 | ·781 | ·798 | ·806 | ·830 | ·839 | ·823 | 27 |
| ·243 | ·243 | ·253 | ·252 | ·246 | ·250 | ·228 | ·233 | ·246 | ·243 | ·240 | 28 |
| ·363 | ·368 | ·373 | ·367 | ·358 | ·347 | ·326 | ·291 | ·259 | ·229 | ·179 | 29 |
| ·147 | ·207 | ·280 | ·335 | ·400 | ·437 | ·485 | ·517 | ·546 | ·569 | ·607 | 30 |
| ·768 | 29·749 | 29·707 | 29·723 | 29·713 | 29·706 | 29·689 | 29·673 | 29·656 | 29·645 | 29·630 | 31 |

# WET BULB THERMOMETER 41 FEET ABOVE GROUND.

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. | DAYS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28·4 | 28·5 | 26·0 | 24·7 | 24·7 | 23·7 | 24·6 | 24·7 | 23·9 | 23·6 | 23·3 | 22·6 | * | 21·2 | 21·1 | 21·0 | 21·1 | 21·8 | 30·7 | 30·0 | 30·6 | 30·2 | 30·2 | 1 |
| 29·9 | 29·4 | 28·7 | 28·8 | 28·6 | 28·3 | 28·0 | 28·4 | 26·6 | 27·4 | 28·2 | 28·0 | 28·2 | 27·9 | 27·3 | 26·8 | 25·7 | 26·0 | 26·0 | 24·3 | 24·0 | 23·6 | 23·5 | 2 |
| 22·5 | 22·0 | 21·9 | 21·3 | 21·0 | 21·5 | 21·2 | 21·2 | 21·5 | 22·3 | 24·1 | 24·4 | 24·7 | 24·9 | 26·4 | 30·0 | 33·3 | 34·0 | 34·5 | 34·1 | 33·3 | 33·3 | 32·6 | 3 |
| 33·6 | 33·7 | 34·2 | 34·4 | 34·5 | 34·8 | 34·8 | 34·8 | 34·3 | 34·1 | 34·3 | 34·3 | 33·9 | 34·0 | 34·4 | 34·6 | 34·1 | 34·3 | 34·1 | 34·0 | 34·2 | 34·1 | 34·3 | 4 |
| 34·3 | 34·2 | 34·2 | 33·9 | 34·1 | 34·2 | 33·6 | 33·7 | 33·8 | 34·2 | 34·5 | 35·2 | 34·4 | 35·0 | 34·4 | 34·6 | 35·4 | 35·0 | 35·2 | 35·4 | 34·7 | 34·6 | 34·4 | 5 |
| 34·8 | 34·5 | 34·5 | 34·6 | 34·3 | 34·8 | 34·2 | 34·4 | 34·3 | 34·6 | 34·7 | 35·8 | 35·9 | 36·7 | 35·6 | 36·3 | 33·4 | 36·5 | 39·4 | 39·0 | 39·9 | 41·3 | 43·2 | 6 |
| 43·4 | 43·3 | 43·9 | 43·8 | 43·7 | 42·5 | 42·0 | 42·1 | 41·7 | 42·4 | 43·1 | 42·8 | 42·3 | 42·1 | 41·9 | 41·0 | 41·7 | 42·4 | 42·7 | 43·3 | 43·2 | 43·5 | 43·6 | 7 |
| 44·2 | 44·2 | 44·0 | 43·6 | 43·4 | 43·3 | 44·0 | 43·7 | 43·1 | 42·9 | 42·5 | 42·3 | 42·8 | 42·8 | 41·2 | 40·5 | 39·4 | 40·4 | 39·8 | 39·3 | 38·1 | 37·1 | 37·2 | 8 |
| 37·3 | 37·4 | 37·1 | 36·6 | 36·3 | 36·3 | 36·7 | 37·0 | 36·9 | 36·8 | 37·0 | 36·6 | 36·6 | 36·1 | 35·3 | 34·6 | 32·4 | 32·6 | 31·9 | 31·0 | 31·3 | 30·8 | 30·6 | 9 |
| 30·1 | 29·7 | 29·6 | 29·3 | 29·2 | 29·2 | 28·8 | * | 30·2 | 30·7 | 31·1 | - - - | - - - | - - - | - - - | * | * | - - - | - - - | - - - | - - - | 32·6 | 33·0 | 10 |
| 33·8 | 33·5 | 33·0 | 33·3 | 33·0 | 32·1 | 32·6 | 33·2 | 32·3 | 32·5 | 32·5 | 32·5 | 33·3 | 33·1 | 32·7 | 33·1 | 33·1 | 33·7 | 33·3 | 33·4 | 33·7 | 33·3 | 32·6 | 11 |
| 32·6 | 32·1 | 31·7 | 31·2 | 31·7 | 31·0 | - - - | * | * | - - - | 34·0 | 34·7 | 34·6 | 34·4 | 33·5 | 33·4 | 33·4 | 33·3 | 33·3 | 33·4 | 33·4 | 33·3 | 33·3 | 12 |
| 33·4 | 32·7 | 34·2 | 35·2 | 35·1 | 36·3 | 36·3 | 36·2 | 36·5 | 36·6 | 37·0 | 36·4 | 36·4 | 35·9 | 36·3 | 36·7 | 37·0 | 36·7 | 37·0 | 37·2 | 37·6 | 37·8 | 37·4 | 13 |
| 38·4 | 38·5 | 38·7 | 39·3 | 39·1 | 39·5 | 39·8 | 40·2 | 40·4 | 40·6 | 40·7 | 41·2 | 41·3 | 41·1 | 41·7 | 42·0 | 42·2 | 42·4 | 42·6 | 41·2 | 39·9 | 38·8 | 38·7 | 14 |
| 38·2 | 37·7 | 37·5 | 37·2 | 36·8 | 35·9 | 34·8 | 34·1 | 34·7 | 35·4 | 36·0 | 35·6 | 36·3 | 36·8 | 35·3 | 34·4 | 34·0 | 33·9 | 33·0 | 33·6 | 35·3 | 36·5 | 37·2 | 15 |
| 38·8 | 39·7 | 40·2 | 40·5 | 40·7 | 41·2 | 41·6 | 41·1 | 41·3 | 41·8 | 42·1 | 41·8 | 41·7 | 42·2 | 42·7 | 43·4 | 43·9 | 44·3 | 44·4 | 44·4 | 44·6 | 44·7 | 45·0 | 16 |
| 44·0 | 42·7 | 42·4 | 41·6 | 41·6 | 41·3 | 40·7 | 39·4 | 39·2 | 39·0 | 39·4 | 40·1 | 39·8 | 39·6 | 38·6 | 37·7 | 38·1 | 37·2 | 37·4 | 37·0 | 36·0 | 36·4 | 36·0 | 17 |
| 34·8 | 34·6 | 34·9 | 36·0 | 37·8 | 39·5 | 39·8 | 40·0 | 40·1 | 40·4 | 41·1 | 41·5 | 41·8 | 42·3 | 42·8 | 43·5 | 43·7 | 43·7 | 43·5 | 42·6 | 41·3 | 40·3 | 39·8 | 18 |
| 38·4 | 40·1 | 39·2 | 39·4 | 40·3 | 40·4 | 40·7 | 41·6 | 42·1 | 42·7 | 43·0 | 43·4 | 43·7 | 45·4 | 46·0 | 44·4 | 42·9 | 38·7 | 37·3 | 36·7 | 36·7 | 37·4 | 37·4 | 19 |
| 35·1 | 35·0 | 34·4 | 34·0 | 33·9 | 34·0 | 34·5 | 34·5 | 35·0 | 35·8 | 37·0 | 37·3 | 38·0 | 38·0 | 37·3 | 36·8 | 37·2 | 37·4 | 37·4 | 36·9 | 36·3 | 36·1 | 36·9 | 20 |
| 37·7 | 38·6 | 39·1 | 39·7 | 40·0 | 40·2 | 40·0 | 39·5 | 40·2 | 41·5 | 42·9 | 43·3 | 43·3 | 43·6 | 42·4 | 42·0 | 42·1 | 42·3 | 41·9 | 40·6 | 39·1 | 37·7 | 36·3 | 21 |
| 34·6 | 33·6 | 33·2 | 33·3 | 32·9 | 33·3 | 33·3 | 32·9 | 33·1 | 35·0 | 35·3 | 36·1 | 36·7 | 36·3 | 35·6 | 35·1 | 35·3 | 36·1 | 36·6 | 37·1 | 38·0 | 37·1 | 37·1 | 22 |
| 36·7 | 35·6 | 35·1 | 35·6 | 36·1 | 37·0 | 37·6 | 37·9 | 38·1 | 38·6 | 38·9 | 39·6 | 39·3 | 39·4 | 39·6 | 39·8 | 39·4 | 39·4 | 39·7 | 39·3 | 39·3 | 39·4 | 39·7 | 23 |
| 39·9 | 40·0 | 40·3 | 40·8 | 35·0 | 34·7 | 35·0 | 35·1 | 35·5 | 36·1 | 36·4 | 37·0 | 36·0 | 36·2 | 35·6 | 36·0 | 35·2 | 35·0 | 34·4 | 34·2 | 34·9 | 36·4 | 38·6 | 24 |
| 28·2 | 27·6 | 26·7 | 26·4 | 26·8 | 27·8 | 28·7 | 29·6 | 30·5 | 30·6 | 28·8 | 28·2 | 28·4 | 28·0 | 28·1 | 28·0 | 28·6 | 33·9 | 33·6 | 33·6 | 33·2 | 32·8 | 32·2 | 25 |
| 32·4 | 32·5 | 32·4 | 32·3 | 32·2 | 32·2 | 32·2 | 31·6 | 32·3 | 33·5 | 34·4 | 36·3 | 36·0 | 36·4 | 36·6 | 36·1 | 34·6 | 33·8 | 33·4 | 33·2 | 34·8 | 35·9 | 36·5 | 26 |
| 37·9 | 38·2 | 38·8 | 38·9 | 39·0 | 39·1 | 39·6 | 40·9 | 41·2 | 41·2 | 41·6 | 41·0 | 39·7 | 40·1 | 37·7 | 37·2 | 36·7 | 36·2 | 35·6 | 35·3 | 35·4 | 34·9 | 34·4 | 27 |
| 34·9 | 35·1 | 35·2 | 36·6 | 39·0 | 39·6 | 39·0 | 39·6 | 39·4 | 39·4 | 38·4 | 35·4 | 35·4 | 34·8 | 34·5 | 33·2 | 32·7 | - - - | - - - | * | * | - - - | - - - | 28 |
| - - - | - - - | - - - | * | * | - - - | - - - | - - - | - - - | - - - | 32·6 | 33·3 | 33·6 | 34·0 | 34·2 | 34·5 | 33·3 | 33·5 | 34·7 | 34·0 | 33·5 | 33·7 | 34·5 | 34·4 | 29 |
| 33·6 | 33·3 | 32·7 | 33·6 | 34·6 | 32·8 | 33·0 | 33·4 | 34·3 | 34·8 | 35·0 | 35·1 | 34·9 | 34·3 | 34·0 | 33·0 | 33·0 | 32·6 | - - - | - - - | * | - - - | - - - | 30 |
| 32·4 | 32·5 | 32·9 | 33·5 | 32·0 | 32·1 | 33·4 | 33·3 | 33·4 | 34·3 | 34·8 | 35·5 | 35·7 | 35·9 | 35·0 | 35·0 | 33·6 | 36·6 | 37·2 | 37·2 | 37·5 | 38·3 | 38·6 | 31 |

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*116, Victoria Street, Westminster. S.W.*

ROBERT H. SCOTT, Director.

# ABERDEEN OBSERVATORY LAT: 57.10'N. LONG: 2.16'W.

## WIND

DIRECTION IN NUMBERS { 8 = E, 16 = S, 24 = W, 32 = N }

| DAYS | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | NOON | | 1 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V |
| 1 | 3 | 32 | 3 | 29 | 3 | 28 | 1 | 24 | 3 | 30 | 3 | 28 | 2 | 23 | 4 | 35 | 2 | 30 | 3 | 31 | 4 | 46 | 4 | 49 | 4 | 54 |
| 2 | 25 | 23 | 46 | 21 | 25 | 19 | 25 | 21 | 25 | 22 | 25 | 14 | 24 | 9·5 | 24 | 10·5 | 24 | 13 | 24 | 14 | 24 | 15 | 25 | 16 | 23 | 7 |
| 3 | 23 | 4 | 23 | 5·5 | 23 | 3 | 23 | 4·5 | 23 | 7·5 | 23 | 5·5 | 23 | 5·5 | 23 | 8·5 | 23 | 6·5 | 23 | 11 | 25 | 10·5 | 24 | 7·5 | 24 | 10 |
| 4 | 8 | 29 | 7 | 32 | 6 | 32 | 6 | 37 | 6 | 36 | 7 | 36 | 6 | 40 | 6 | 45 | 6 | 45 | 6 | 46 | 7 | 43 | 7 | 41 | 6 | 46 |
| 5 | 6 | 25 | 6 | 29 | 6 | 30 | 6 | 25 | 6 | 24 | 5 | 22 | 2 | 14 | 31 | 13 | 31 | 11 | 29 | 10·5 | 30 | 9·5 | 30 | 7·5 | 30 | 8 |
| 6 | 29 | 5·5 | 29 | 6·5 | 29 | 5·5 | 29 | 5·5 | 29 | 5·5 | 29 | 10·5 | 29 | 6·5 | 29 | 7·5 | 29 | 4 | 29 | 4·5 | 28 | 7·5 | 28 | 6·5 | 28 | 8 |
| 7 | 14 | 11 | 14 | 12 | 14 | 13 | 14 | 17 | 14 | 18 | 14 | 17 | 14 | 15 | 16 | 15 | 15 | 14 | 16 | 16 | 15 | 23 | 14 | 22 | 15 | 21 |
| 8 | 15 | 26 | 15 | 27 | 15 | 29 | 16 | 25 | 16 | 24 | 16 | 25 | 17 | 18 | 17 | 23 | 18 | 23 | 18 | 21 | 19 | 18 | 18 | 20 | 17 | 19 |
| 9 | 25 | 22 | 25 | 20 | 25 | 17 | 26 | 13 | 26 | 15 | 26 | 15 | 27 | 14 | 27 | 12 | 28 | 15 | 30 | 13 | 30 | 10 | 31 | 14 | 29 | 15 |
| 10 | 28 | 10·5 | 28 | 9·5 | 28 | 11 | 28 | 10·5 | 28 | 11 | 28 | 12 | 28 | 10·5 | 28 | 11 | 26 | 7·5 | 26 | 6·5 | 26 | 8·5 | 26 | 8·5 | 26 | 8 |
| 11 | 7 | 9·5 | 8 | 10·5 | 8 | 9·5 | 8 | 7·5 | 8 | 9·5 | 8 | 6·5 | 8 | 4 | 8 | 4 | 9 | 10·5 | 10 | 13 | 11 | 17 | 11 | 14 | 11 | 13 |
| 12 | 18 | 4 | 18 | 6·5 | 18 | 4·5 | 18 | 5·5 | 18 | 5·5 | 18 | 5·5 | 18 | 4·5 | 18 | 5·5 | 18 | 4·5 | 18 | 4 | 18 | 4·5 | 18 | 5·5 | 18 | 6 |
| 13 | 17 | 6·5 | 17 | 5·5 | 17 | 5·5 | 17 | 4·5 | 17 | 5·5 | 16 | 11 | 14 | 17 | 14 | 17 | 16 | 13 | 15 | 14 | 14 | 22 | 14 | 22 | 15 | 23 |
| 14 | 14 | 15 | 14 | 18 | 13 | 24 | 13 | 22 | 13 | 26 | 13 | 24 | 13 | 31 | 13 | 28 | 13 | 29 | 14 | 23 | 13 | 28 | 14 | 24 | 14 | 27 |
| 15 | 23 | 8·5 | 24 | 12 | 24 | 10·5 | 24 | 13 | 24 | 17 | 24 | 15 | 24 | 10·5 | 24 | 7·5 | 24 | 8·5 | 24 | 9·5 | 23 | 9·5 | 22 | 6·5 | 19 | 10 |
| 16 | 14 | 15 | 13 | 19 | 13 | 20 | 13 | 20 | 14 | 13 | 15 | 12 | 14 | 15 | 16 | 11 | 15 | 10·5 | 15 | 14 | 16 | 17 | 14 | 21 | 13 | 15 |
| 17 | 17 | 4·5 | 17 | 6·5 | 23 | 6·5 | 23 | 4·5 | 23 | 4·5 | 23 | 5·5 | 23 | 4·5 | 23 | 5·5 | 22 | 6·5 | 22 | 5·5 | 19 | 7·5 | 19 | 11 | 19 | 11 |
| 18 | 18 | 10·5 | 18 | 6·5 | 18 | 6·5 | 18 | 5·5 | 18 | 8·5 | 16 | 13 | 14 | 19 | 14 | 29 | 14 | 28 | 14 | 33 | 14 | 37 | 14 | 33 | 15 | 32 |
| 19 | 17 | 4 | 17 | 4 | 17 | 3 | 17 | 4·5 | 17 | 4 | 17 | 3 | 17 | 3 | 17 | 3 | 17 | 2 | 17 | 3 | 17 | 7·5 | 12 | 7·5 | 9 | 9 |
| 20 | 20 | 12 | 20 | 9·5 | 20 | 8·5 | 19 | 5·5 | 19 | 5·5 | 16 | 6·5 | 16 | 11 | 16 | 8·5 | 16 | 5·5 | 16 | 6·5 | 17 | 11 | 18 | 7·5 | 19 | 11 |
| 21 | 16 | 25 | 16 | 27 | 17 | 27 | 17 | 21 | 18 | 21 | 18 | 25 | 18 | 16 | 16 | 8·5 | 16 | 12 | 14 | 11 | 18 | 13 | 18 | 21 | 18 | 18 |
| 22 | 22 | 13 | 22 | 12 | 22 | 10·5 | 22 | 8·5 | 22 | 13 | 21 | 12 | 21 | 11 | 21 | 12 | 19 | 10·5 | 19 | 8·5 | 19 | 6·5 | 18 | 4·5 | 18 | 6 |
| 23 | 15 | 15 | 15 | 12 | 16 | 12 | 16 | 6·5 | 16 | 10·5 | 15 | 13 | 15 | 8·5 | 21 | 6·5 | 20 | 8·5 | 15 | 10·5 | 15 | 16 | 16 | 21 | 16 | 22 |
| 24 | 15 | 16 | 15 | 18 | 15 | 19 | 15 | 21 | 16 | 17 | 26 | 20 | 26 | 24 | 26 | 13 | 24 | 7·5 | 21 | 14 | 21 | 14 | 21 | 14 | 20 | 14 |
| 25 | 14 | 25 | 14 | 26 | 14 | 35 | 14 | 40 | 14 | 41 | 14 | 46 | 14 | 46 | 14 | 39 | 15 | 34 | 15 | 29 | 17 | 17 | 19 | 22 | 20 | 15 |
| 26 | 22 | 7·5 | 23 | 12 | 25 | 19 | 24 | 14 | 24 | 15 | 23 | 12 | 25 | 15 | 25 | 9·5 | 24 | 7·5 | 24 | 9·5 | 21 | 9·5 | 24 | 7·5 | 24 | 7 |
| 27 | 15 | 20 | 15 | 22 | 14 | 27 | 15 | 27 | 16 | 27 | 16 | 25 | 16 | 24 | 16 | 16 | 16 | 10·5 | 18 | 14 | 18 | 12 | 18 | 11 | 20 | 14 |
| 28 | 18 | 12 | 17 | 11 | 17 | 9·5 | 15 | 13 | 16 | 10·5 | 14 | 23 | 15 | 36 | 14 | 43 | 16 | 35 | 16 | 24 | 18 | 19 | 20 | 24 | 19 | 25 |
| 29 | 20 | 25 | 19 | 25 | 20 | 22 | 21 | 23 | 23 | 29 | 22 | 22 | 22 | 22 | 19 | 20 | 19 | 20 | 19 | 22 | 20 | 21 | 21 | 28 | 21 | 25 |
| 30 | 17 | 7·5 | 17 | 6·5 | 17 | 4 | 17 | 2 | 17 | 4 | 18 | 7·5 | 30 | 15 | 31 | 27 | 30 | 31 | 28 | 31 | 27 | 33 | 27 | 32 | 27 | 31 |
| 31 | 25 | 22 | 25 | 17 | 25 | 20 | 26 | 21 | 24 | 11 | 23 | 8·5 | 22 | 12 | 24 | 8·5 | 24 | 8·5 | 24 | 8·5 | 19 | 7·5 | 19 | 4 | 19 | 4 |

## RAINFALL

GAUGE { HEIGHT ABOVE GROUND 2 FEET, HEIGHT ABOVE MEAN SEA LEVEL 48 FEET.

| DAYS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | – | ·010 | – | ·025 | ·005 | – | – | ·010 | ·015 | ·015 | ·030 | ·010 | – | – | – | – | – | – | – | – | – | – | – | – |
| 2 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 3 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | ·010 | ·020 | ·055 | ·005 |
| 4 | ·010 | ·030 | ·025 | ·020 | ·020 | ·005 | ·005 | ·015 | ·005 | ·005 | ·005 | ·005 | ·005 | ·005 | ·015 | ·035 | ·005 | ·005 | – | ·010 | ·005 | ·005 | – | ·005 |
| 5 | ·005 | ·010 | ·005 | – | ·005 | – | ·005 | ·005 | – | ·010 | ·020 | ·005 | ·005 | – | ·015 | – | – | – | – | – | – | – | – | – |
| 6 | – | – | – | – | ·005 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | ·010 | ·060 | ·130 | ·050 |
| 7 | ·005 | – | – | ·030 | ·015 | ·025 | – | ·005 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | ·015 | ·015 |
| 8 | – | – | – | – | ·015 | – | ·005 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 9 | – | – | – | – | – | – | – | – | – | ·010 | ·005 | ·010 | ·005 | – | – | – | – | – | – | – | – | – | – | – |
| 10 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 11 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 12 | – | Show measured at 10am = ·030 | | | | | | | | – | – | – | – | – | ·005 | ·005 | – | – | – | – | – | – | – | – |
| 13 | – | – | – | – | – | – | – | ·010 | ·020 | ·005 | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 14 | – | – | – | – | ·010 | – | ·060 | ·015 | ·015 | – | – | – | – | – | – | – | ·015 | ·035 | ·020 | ·020 | ·035 | ·025 | ·020 | ·010 |
| 15 | ·010 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 16 | – | – | – | ·010 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 17 | ·020 | ·005 | ·005 | – | ·010 | ·010 | ·005 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 18 | – | – | – | – | – | – | – | – | – | ·025 | ·070 | ·105 | ·020 | ·015 | – | ·010 | ·010 | – | – | – | – | – | – | – |
| 19 | – | – | – | – | – | – | ·015 | ·010 | ·005 | ·005 | ·020 | ·070 | ·040 | ·010 | – | ·005 | – | – | – | – | – | – | – | – |
| 20 | ·005 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 21 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 22 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 23 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 24 | – | ·005 | ·010 | ·005 | – | ·015 | ·065 | ·015 | ·005 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 25 | ·010 | ·010 | – | – | ·090 | ·110 | ·120 | ·160 | ·050 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 26 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 27 | – | ·010 | ·020 | ·015 | ·005 | ·005 | – | – | ·005 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 28 | – | – | – | – | – | – | ·020 | ·100 | ·040 | ·015 | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 29 | – | – | – | – | – | – | – | – | – | ·010 | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 30 | ·050 | ·045 | ·020 | ·010 | ·060 | ·090 | ·060 | ·020 | ·040 | ·310 | – | – | – | ·010 | – | – | – | – | – | – | – | – | – | ·015 |
| 31 | – | – | – | – | – | – | – | – | – | ·030 | – | – | – | – | – | – | – | – | ·010 | ·035 | ·045 | ·055 | ·015 | ·010 |

* Record defective or Instrument out of action.

† Obtained from reading of Standard

# HOURLY VALUES ..... January 1877.

## AND VELOCITY IN MILES PER HOUR

| 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | MIDT | | DAYS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | |
| 2 | 50 | 2 | 38 | 2 | 31 | 1 | 22 | 31 | 21 | 29 | 16 | 29 | 14 | 28 | 14 | 28 | 12 | 28 | 12 | 26 | 16 | 1 |
| 4 | 9·5 | 23 | 6·5 | 23 | 4·5 | 22 | 3 | 22 | 4·5 | 22 | 2 | 22 | 2 | 22 | 4 | 22 | 6·5 | 23 | 5·5 | 23 | 4·5 | 2 |
| 4 | 13 | 24 | 9·5 | 24 | 9·5 | 30 | 19 | 6 | 33 | 6 | 37 | 6 | 38 | 8 | 33 | 8 | 29 | 6 | 31 | 9 | 28 | 3 |
| 6 | 36 | 6 | 34 | 6 | 34 | 6 | 35 | 6 | 30 | 6 | 33 | 6 | 31 | 6 | 29 | 6 | 29 | 7 | 26 | 6 | 29 | 4 |
| 9 | 9·5 | 29 | 8·5 | 29 | 9·5 | 29 | 8·5 | 29 | 6·5 | 29 | 5·5 | 29 | 5·5 | 29 | 5·5 | 29 | 6·5 | 29 | 6·5 | 29 | 6·5 | 5 |
| 8 | 4·5 | 28 | 4·5 | 28 | 3 | 28 | 3 | 28 | 4·5 | 28 | 10·5 | 11 | 20 | 11 | 30 | 9 | 24 | 8 | 30 | 11 | 20 | 6 |
| 5 | 15 | 16 | 12 | 15 | 11 | 14 | 18 | 14 | 16 | 14 | 22 | 14 | 30 | 13 | 36 | 14 | 33 | 14 | 33 | 14 | 32 | 7 |
| 7 | 18 | 20 | 16 | 19 | 14 | 18 | 12 | 19 | 10·5 | 20 | 12 | 22 | 13 | 23 | 10·5 | 23 | 12 | 24 | 12 | 25 | 23 | 8 |
| 0 | 13 | 28 | 11 | 28 | 11 | 28 | 10·5 | 28 | 9·5 | 28 | 9·5 | 28 | 8·5 | 28 | 9·5 | 28 | 9·5 | 28 | 10·5 | 28 | 9·5 | 9 |
| 6 | 10·5 | 26 | 9·5 | 26 | 6·5 | 26 | 7·5 | 26 | 6·5 | 26 | 5·5 | 26 | 4 | 26 | 4·5 | 26 | 4·5 | 26 | 3 | 26 | 8·5 | 10 |
| 2 | 18 | 12 | 17 | 12 | 16 | 12 | 11 | 12 | 13 | 12 | 8·5 | 15 | 4·5 | 15 | 6·5 | 15 | 7·5 | 18 | 5·5 | 18 | 4·5 | 11 |
| 3 | 6·5 | 18 | 4·5 | 18 | 4·5 | 18 | 4 | 18 | 4·5 | 18 | 4 | 18 | 3 | 18 | 4·5 | 18 | 5·5 | 18 | 5·5 | 17 | 6·5 | 12 |
| 4 | 20 | 15 | 17 | 14 | 22 | 14 | 20 | 15 | 19 | 15 | 20 | 15 | 16 | 14 | 18 | 14 | 15 | 14 | 19 | 14 | 19 | 13 |
| 1 | 25 | 14 | 21 | 13 | 21 | 14 | 20 | 14 | 15 | 14 | 17 | 16 | 11 | 22 | 10·5 | 24 | 10·5 | 24 | 4·5 | 24 | 3 | 14 |
| 2 | 9·5 | 20 | 5·5 | 20 | 4·5 | 20 | 5·5 | 20 | 4 | 20 | 3 | 20 | 4·5 | 20 | 5·5 | 20 | 5·5 | 18 | 8·5 | 15 | 11 | 15 |
| 5 | 14 | 14 | 22 | 16 | 7·5 | 16 | 5·5 | 16 | 9·5 | 15 | 12 | 15 | 8·5 | 16 | 5·5 | 16 | 4·5 | 16 | 5·5 | 16 | 5·5 | 16 |
| 8 | 8·5 | 17 | 7·5 | 16 | 6·5 | 17 | 6·5 | 18 | 6·5 | 16 | 7·5 | 16 | 9·5 | 16 | 6·5 | 16 | 7·5 | 16 | 6·5 | 16 | 8·5 | 17 |
| 4 | 29 | 15 | 24 | 14 | 27 | 16 | 23 | 16 | 21 | 16 | 11 | 17 | 9·5 | 18 | 9·5 | 16 | 11 | 17 | 8·5 | 17 | 4·5 | 18 |
| 7 | 6·5 | 15 | 17 | 14 | 16 | 16 | 10·5 | 18 | 21 | 24 | 22 | 22 | 18 | 24 | 22 | 22 | 16 | 22 | 19 | 22 | 17 | 19 |
| 5 | 11 | 16 | 10·5 | 18 | 8·5 | 16 | 6·5 | 16 | 11 | 16 | 12 | 16 | 13 | 15 | 11 | 16 | 9·5 | 15 | 15 | 17 | 25 | 20 |
| 5 | 9·5 | 17 | 17 | 18 | 15 | 17 | 15 | 16 | 17 | 18 | 16 | 19 | 15 | 20 | 13 | 22 | 17 | 22 | 16 | 22 | 10·5 | 21 |
| 5 | 6·5 | 18 | 10·5 | 17 | 10·5 | 18 | 12 | 17 | 6·5 | 17 | 6·5 | 17 | 7·5 | 16 | 9·6 | 16 | 12 | 15 | 17 | 15 | 17 | 22 |
| 5 | 23 | 16 | 21 | 15 | 25 | 14 | 29 | 13 | 25 | 14 | 27 | 14 | 29 | 15 | 23 | 14 | 30 | 15 | 19 | 14 | 22 | 23 |
| 1 | 12 | 20 | 8·5 | 19 | 14 | 16 | 12 | 19 | 14 | 19 | 12 | 19 | 14 | 19 | 9·5 | 17 | 9·5 | 18 | 11 | 14 | 19 | 24 |
| 7 | 14 | 19 | 10·5 | 19 | 7·5 | 19 | 8·5 | 19 | 8·5 | 19 | 6·5 | 19 | 4 | 19 | 5·5 | 18 | 4·5 | 18 | 6·5 | 18 | 7·5 | 25 |
| 4 | 5·5 | 24 | 4·5 | 23 | 6·5 | 23 | 5·5 | 20 | 6·5 | 16 | 10·5 | 17 | 8·5 | 17 | 9·5 | 16 | 15 | 15 | 14 | 15 | 19 | 26 |
| 7 | 16 | 24 | 14 | 20 | 14 | 22 | 18 | 21 | 16 | 22 | 17 | 21 | 19 | 21 | 14 | 21 | 15 | 21 | 7·5 | 20 | 10·5 | 27 |
| 0 | 25 | 18 | 23 | 18 | 25 | 18 | 23 | 19 | 24 | 19 | 19 | 19 | 26 | 19 | 28 | 19 | 23 | 19 | 27 | 19 | 24 | 28 |
| 7 | 18 | 20 | 15 | 22 | 15 | 20 | 11 | 19 | 12 | 20 | 16 | 20 | 17 | 20 | 14 | 19 | 16 | 18 | 12 | 18 | 6·5 | 29 |
| 7 | 35 | 27 | 37 | 27 | 33 | 27 | 32 | 26 | 26 | 26 | 26 | 26 | 27 | 26 | 27 | 25 | 27 | 25 | 22 | 25 | 15 | 30 |
| 1 | 4·5 | 19 | 6·5 | 18 | 7·5 | 17 | 7·5 | 17 | 6·5 | 17 | 9·5 | 14 | 15 | 14 | 21 | 14 | 17 | 13 | 19 | 13 | 24 | 31 |

# VAPOUR TENSION. IN INCHES, BY GLAISHER'S TABLES, 5TH EDITION.

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 190 | 187 | 181 | 189 | 181 | 162 | 162 | 163 | 180 | 167 | 159 | 169 | 149 | * | 135 | 135 | 134 | 137 | 145 | 140 | 149 | 150 | 151 | 149 | 1 |
| 175 | 157 | 153 | 151 | 148 | 148 | 144 | 142 | 144 | 091 | 100 | 107 | 106 | 106 | 109 | 102 | 104 | 099 | 094 | 089 | 086 | 081 | 085 | 082 | 2 |
| 182 | 083 | 086 | 084 | 085 | 079 | 088 | 081 | 083 | 086 | 090 | 086 | 100 | 088 | 090 | 102 | 141 | 145 | 155 | 164 | 164 | 188 | 184 | 181 | 3 |
| 172 | 172 | 186 | 180 | 183 | 180 | 184 | 192 | 188 | 186 | 181 | 188 | 190 | 181 | 184 | 191 | 189 | 181 | 185 | 181 | 184 | 185 | 177 | 178 | 4 |
| 192 | 186 | 179 | 179 | 176 | 177 | 183 | 184 | 185 | 186 | 190 | 194 | 200 | 193 | 200 | 196 | 197 | 205 | 203 | 204 | 205 | 198 | 198 | 197 | 5 |
| 197 | 200 | 198 | 198 | 198 | 197 | 200 | 196 | 199 | 197 | 199 | 200 | 208 | 209 | 205 | 205 | 205 | 190 | 215 | 228 | 218 | 230 | 254 | 277 | 6 |
| 221 | 278 | 276 | 281 | 279 | 276 | 259 | 249 | 249 | 247 | 252 | 261 | 256 | 249 | 253 | 254 | 242 | 248 | 250 | 248 | 257 | 254 | 264 | 265 | 7 |
| 267 | 264 | 262 | 259 | 261 | 255 | 254 | 261 | 258 | 251 | 249 | 242 | 240 | 248 | 246 | 233 | 226 | 218 | 218 | 214 | 216 | 206 | 198 | 201 | 8 |
| 215 | 209 | 213 | 212 | 203 | 200 | 200 | 202 | 204 | 205 | 202 | 204 | 198 | 192 | 191 | 188 | 179 | 160 | 156 | 157 | 150 | 155 | 152 | 148 | 9 |
| 144 | 144 | 139 | 140 | 138 | 137 | 137 | 133 | * | 149 | 149 | 153 | * | †162 | * | †150 | ... | ... | ... | * | * | ... | ... | 157 | 160 | 10 |
| 176 | 159 | 153 | 146 | 151 | 148 | 160 | 160 | 149 | 138 | 142 | 142 | 139 | 163 | 157 | 148 | 150 | 151 | 163 | 167 | 168 | 175 | 181 | 173 | 11 |
| 174 | 174 | 167 | 167 | 162 | 168 | 164 | ... | ...* | .... | ... | 180 | 189 | 192 | 189 | 185 | 184 | 183 | 178 | 177 | 178 | 174 | 171 | 169 | 12 |
| 178 | 172 | 176 | 184 | 194 | 192 | 189 | 193 | 199 | 195 | 191 | 196 | 183 | 184 | 179 | 184 | 189 | 197 | 194 | 201 | 201 | 204 | 206 | 198 | 13 |
| 222 | 213 | 213 | 212 | 229 | 224 | 235 | 235 | 236 | 238 | 241 | 243 | 248 | 250 | 245 | 253 | 260 | 264 | 265 | 268 | 249 | 217 | 222 | 225 | 14 |
| 213 | 208 | 202 | 190 | 182 | 176 | 176 | 173 | 168 | 167 | 174 | 178 | 174 | 180 | 181 | 179 | 171 | 172 | 171 | 171 | 174 | 185 | 201 | 201 | 15 |
| 209 | 212 | 231 | 243 | 245 | 246 | 251 | 257 | 249 | 245 | 250 | 249 | 243 | 241 | 248 | 257 | 263 | 273 | 278 | 282 | 285 | 289 | 290 | 294 | 16 |
| 221 | 283 | 268 | 264 | 254 | 257 | 251 | 244 | 228 | 228 | 231 | 230 | 227 | 221 | 222 | 222 | 210 | 212 | 207 | 207 | 205 | 201 | 202 | 201 | 17 |
| 204 | 197 | 197 | 199 | 205 | 215 | 230 | 226 | 227 | 229 | 237 | 246 | 249 | 255 | 261 | 265 | 273 | 273 | 274 | 270 | 256 | 246 | 235 | 233 | 18 |
| 235 | 228 | 239 | 234 | 234 | 242 | 248 | 249 | 258 | 263 | 274 | 277 | 281 | 285 | 301 | 297 | 276 | 247 | 204 | 195 | 184 | 186 | 187 | 186 | 19 |
| 187 | 184 | 184 | 177 | 179 | 177 | 182 | 187 | 183 | 181 | 182 | 191 | 186 | 193 | 200 | 198 | 199 | 203 | 206 | 201 | 196 | 191 | 189 | 192 | 20 |
| 200 | 201 | 205 | 209 | 211 | 219 | 222 | 223 | 216 | 228 | 242 | 250 | 253 | 254 | 253 | 242 | 243 | 245 | 244 | 239 | 222 | 205 | 192 | 183 | 21 |
| 179 | 162 | 163 | 165 | 160 | 158 | 161 | 163 | 160 | 159 | 163 | 167 | 175 | 180 | 181 | 181 | 183 | 183 | 192 | 198 | 204 | 219 | 209 | 210 | 22 |
| 210 | 204 | 195 | 193 | 196 | 198 | 203 | 206 | 208 | 210 | 211 | 211 | 214 | 209 | 211 | 213 | 204 | 199 | 203 | 208 | 204 | 206 | 208 | 214 | 23 |
| 210 | 219 | 224 | 231 | 237 | 193 | 191 | 192 | 191 | 186 | 181 | 183 | 178 | 163 | 171 | 171 | 185 | 180 | 180 | 175 | 177 | 184 | 198 | 220 | 24 |
| 220 | 211 | 193 | 187 | 200 | 205 | 206 | 217 | 220 | 228 | 238 | 214 | 198 | 203 | 200 | 197 | 189 | 166 | 162 | 168 | 167 | 157 | 159 | 149 | 25 |
| 149 | 150 | 152 | 153 | 150 | 149 | 147 | 148 | 151 | 157 | 167 | 166 | 170 | 170 | 176 | 178 | 171 | 167 | 164 | 165 | 185 | 194 | 188 | 189 | 26 |
| 213 | 213 | 218 | 222 | 225 | 228 | 228 | 235 | 243 | 246 | 245 | 239 | 213 | 200 | 205 | 202 | 191 | 176 | 179 | 174 | 178 | 175 | 176 | 172 | 27 |
| 177 | 183 | 187 | 189 | 203 | 220 | 218 | 223 | 228 | 226 | 222 | 191 | 176 | 159 | 155 | 166 | 167 | 160 | ... | ... | .* | .* | ... | ...& | 28 |
| - | ... | ... | .. | .... | * | .... | ... | ... | †167 | 152 | 154 | 156 | 161 | 167 | 165 | 164 | 167 | 173 | 166 | 168 | 169 | 183 | 192 | 29 |
| 192 | 191 | 190 | 186 | 192 | 201 | 184 | 183 | 186 | 192 | 188 | 183 | 178 | 182 | 165 | 168 | 149 | 158 | 156 | †159 | ... | * | ..* | .... | 30 |
| 177 | 160 | 155 | 159 | 167 | 159 | 158 | 169 | 169 | 168 | 177 | 178 | 185 | 181 | 185 | 188 | 189 | 201 | 207 | 207 | 212 | 213 | 224 | 232 | 31 |


Meteorological Office,
116 Victoria Street, Westminster S.W.
ROBERT H. SCOTT, Director.

FALMOUTH OBSERVATORY LAT. 50°9′ N. LONG. 5°4′ W.

# BAROMETER.

| DAYS. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28·709 | 28·661 | 28·601 | 28·529 | 28·483 | 28·472 | 28·603 | 28·707 | 28·731 | 28·759 | 28·783 | 28·789 | 28·79 |
| 2 | 29·201 | 29·251 | 29·285 | 29·317 | 29·329 | 29·351 | 29·366 | 29·383 | 29·387 | 29·379 | 29·371 | 29·351 | 29·3 |
| 3 | 29·214 | 29·194 | 29·165 | 29·117 | 29·085 | 29·059 | 29·043 | 29·029 | 29·017 | 29·021 | 29·023 | 29·009 | 28·9 |
| 4 | 28·890 | 28·883 | 28·879 | 28·879 | 28·858 | 28·867 | 28·849 | 28·853 | 28·858 | 28·855 | 28·866 | 28·862 | ·8 |
| 5 | 28·950 | 28·958 | 28·960 | 28·964 | 28·955 | ·950 | ·944 | ·942 | ·928 | ·907 | ·895 | ·879 | ·9 |
| 6 | 29·067 | 29·079 | 29·064 | 29·042 | 29·014 | ·973 | ·925 | ·881 | ·862 | ·815 | ·776 | ·714 | ·6 |
| 7 | 28·750 | 28·762 | 28·736 | 28·722 | 28·728 | 28·742 | 28·772 | 28·800 | 28·819 | 28·842 | 28·848 | 28·828 | 28·8 |
| 8 | 29·120 | 29·134 | 29·146 | 29·156 | 29·148 | 29·154 | 29·156 | 29·172 | 29·176 | 29·188 | 29·191 | 29·181 | 29·1 |
| 9 | ·293 | ·309 | ·319 | ·339 | ·353 | ·381 | ·407 | ·449 | ·501 | ·564 | ·610 | ·650 | ·6 |
| 10 | ·764 | ·757 | ·752 | ·720 | ·723 | ·706 | ·690 | ·672 | ·658 | ·652 | ·649 | ·606 | ·5 |
| 11 | ·506 | ·510 | ·516 | ·530 | ·526 | ·551 | ·570 | ·586 | ·608 | ·624 | ·635 | ·630 | ·6 |
| 12 | ·588 | ·566 | ·555 | ·529 | ·513 | ·521 | ·529 | ·551 | ·583 | ·623 | ·657 | ·666 | ·6 |
| 13 | ·835 | ·830 | ·830 | ·841 | ·843 | ·827 | ·818 | ·806 | ·805 | ·792 | ·787 | ·765 | ·7 |
| 14 | ·707 | ·682 | ·657 | ·614 | ·579 | ·541 | ·504 | ·469 | ·439 | ·403 | ·379 | ·360 | ·3 |
| 15 | ·749 | ·779 | ·791 | ·816 | ·832 | ·866 | ·867 | ·881 | ·894 | ·899 | ·911 | ·896 | ·8 |
| 16 | ·836 | ·840 | ·852 | ·848 | ·846 | ·849 | ·844 | ·844 | ·844 | ·836 | ·833 | ·818 | ·8 |
| 17 | ·642 | ·610 | ·586 | ·572 | ·570 | ·590 | ·586 | ·590 | ·593 | ·588 | ·591 | ·583 | ·6 |
| 18 | ·563 | ·548 | ·531 | ·500 | ·470 | ·456 | ·437 | ·427 | ·425 | ·421 | ·416 | ·403 | ·3 |
| 19 | ·377 | ·377 | ·372 | ·375 | ·373 | 29·369 | 29·379 | 29·395 | 29·412 | 29·425 | 29·468 | 29·493 | 29·5 |
| 20 | 29·928 | 29·946 | 29·963 | 29·976 | 29·991 | 30·011 | 30·036 | 30·061 | 30·091 | 30·128 | 30·161 | 30·175 | 30·18 |
| 21 | 30·329 | 30·329 | 30·329 | 30·323 | 30·327 | ·342 | ·357 | ·339 | ·351 | ·365 | ·376 | ·376 | ·36 |
| 22 | ·322 | ·319 | ·315 | ·307 | ·292 | ·280 | ·276 | ·285 | ·287 | ·288 | ·290 | 30·264 | 30·2 |
| 23 | 30·146 | 30·128 | 30·116 | 30·102 | 30·085 | 30·066 | 30·066 | 30·064 | 30·060 | ·036 | ·039 | 29·993 | 29·97 |
| 24 | 29·814 | 29·823 | 29·849 | 29·871 | 29·898 | 29·919 | 29·944 | 29·957 | 29·991 | 30·019 | 30·018 | 30·022 | 30·00 |
| 25 | ·676 | ·648 | ·610 | ·580 | ·548 | ·530 | ·520 | ·518 | 29·512 | 29·503 | 29·530 | 29·545 | 29·57 |
| 26 | ·877 | ·885 | ·909 | ·929 | ·941 | ·957 | ·973 | ·991 | 30·017 | 30·032 | 30·047 | 30·048 | 30·04 |
| 27 | 29·995 | 29·980 | ·970 | ·940 | ·932 | ·932 | ·933 | ·930 | 29·930 | 29·944 | 29·957 | 29·974 | 29·9 |
| 28 | 30·044 | 30·017 | 29·973 | 29·933 | 29·905 | 29·863 | 29·831 | 29·817 | 29·811 | 29·809 | 29·823 | 29·829 | 29·82 |
| 29 | 29·935 | 29·977 | 30·005 | 30·034 | 30·043 | 30·057 | 30·069 | 30·093 | 30·107 | 30·107 | 30·117 | 30·103 | 30·08 |
| 30 | ·834 | ·789 | 29·719 | 29·641 | 29·589 | 29·543 | 29·473 | 29·423 | 29·449 | 29·483 | 29·549 | 29·597 | 29·61 |
| 31 | 29·925 | 29·940 | 29·945 | 29·945 | 29·945 | 29·947 | 29·950 | 29·957 | 29·957 | 29·951 | 29·950 | 29·928 | 29·89 |

# DRY BULB THERMOMETER // FEET ABOVE GROUND.

| DAYS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 51·9 | 52·7 | 53·1 | 52·5 | 52·6 | 51·4 | 46·5 | 46·6 | 48·3 | 49·2 | 50·0 | 50·0 | 50·4 | 50·3 | 51·0 | 49·7 | 49·0 | 48·1 | 47·3 | 46·9 | 46·8 | 46·7 | 46·0 | 44·9 |
| 2 | 45·0 | 44·1 | 43·9 | 43·1 | 41·9 | 40·7 | 40·1 | 40·2 | 42·3 | 42·2 | 45·0 | 45·9 | 46·6 | 46·4 | 47·0 | 47·5 | 49·1 | 50·9 | 50·3 | 48·9 | 48·9 | 49·5 | 50·1 | 50·3 |
| 3 | 50·4 | 51·4 | 51·6 | 51·3 | 52·4 | 52·6 | 53·5 | 53·3 | 53·0 | 54·0 | 54·8 | 52·9 | 53·0 | 52·3 | 53·0 | 52·7 | 52·6 | 52·7 | 52·5 | 52·7 | 52·2 | 51·3 | 51·5 | 51·3 |
| 4 | 51·9 | 50·9 | 50·4 | 50·3 | 49·7 | 49·9 | 50·3 | 50·6 | 50·6 | 51·0 | 52·1 | 50·7 | 52·1 | 51·8 | 50·7 | 48·9 | 49·5 | 49·2 | 49·2 | 48·3 | 49·4 | 47·0 | 48·1 | 48·6 |
| 5 | 48·3 | 47·4 | 48·2 | 48·0 | 47·2 | 46·9 | 48·0 | 48·4 | 46·9 | 49·2 | 49·1 | 49·1 | 47·7 | 47·9 | 48·0 | 46·4 | 46·0 | 43·7 | 42·7 | 43·5 | 44·3 | 44·1 | 44·2 | 43·8 |
| 6 | 44·8 | 45·7 | 47·6 | 46·6 | 46·9 | 48·1 | 48·9 | 50·6 | 51·6 | 51·8 | 52·7 | 52·6 | 52·0 | 52·3 | 51·6 | 52·7 | 52·5 | 49·7 | 51·1 | 50·0 | 49·3 | 49·7 | 50·3 | 50·4 |
| 7 | 50·4 | 48·8 | 46·7 | 46·8 | 46·6 | 47·8 | 47·1 | 47·0 | 48·2 | 48·7 | 49·2 | 50·6 | 51·1 | 50·4 | 50·7 | 46·6 | 48·7 | 48·3 | 50·0 | 50·0 | 50·5 | 50·2 | 50·6 | 49·9 |
| 8 | 48·7 | 49·9 | 50·9 | 51·3 | 51·4 | 51·1 | 51·0 | 51·2 | 51·5 | 51·6 | 52·0 | 52·1 | 52·2 | 52·1 | 51·4 | 51·1 | 50·0 | 50·4 | 50·2 | 49·8 | 49·6 | 49·2 | 49·3 | 50·0 |
| 9 | 49·0 | 49·7 | 49·3 | 49·7 | 49·5 | 49·7 | 49·3 | 49·2 | 49·9 | 49·9 | 50·4 | 51·3 | 51·8 | 52·3 | 52·2 | 50·7 | 49·4 | 48·4 | 47·6 | 47·5 | 47·1 | 46·8 | 46·3 | 45·6 |
| 10 | 46·2 | 44·4 | 44·7 | 44·8 | 46·4 | 46·9 | 46·9 | 47·8 | 47·9 | 48·3 | 48·0 | 47·5 | 47·5 | 47·8 | 47·5 | 47·3 | 46·9 | 46·8 | 47·0 | 46·1 | 46·8 | 44·2 | 43·8 | 43·8 |
| 11 | 43·5 | 43·5 | 43·9 | 43·9 | 43·8 | 43·4 | 43·0 | 43·1 | 43·1 | 42·9 | 43·5 | 44·2 | 44·7 | 44·6 | 44·7 | 44·9 | 44·1 | 43·9 | 42·7 | 42·8 | 43·0 | 42·6 | 43·5 | 43·2 |
| 12 | 43·0 | 42·4 | 43·5 | 43·6 | 44·9 | 43·6 | 44·0 | 43·7 | 43·4 | 44·3 | 44·7 | 44·5 | 44·0 | 44·3 | 43·6 | 43·2 | 43·1 | 43·0 | 42·5 | 41·6 | 40·2 | 39·9 | 39·9 | 39·4 |
| 13 | 38·5 | 38·2 | 40·0 | 37·7 | 39·0 | 40·6 | 40·3 | 41·0 | 42·0 | 44·0 | 45·0 | 45·9 | 47·3 | 48·0 | 49·7 | 49·8 | 48·9 | 48·7 | 49·3 | 49·3 | 49·3 | 49·3 | 48·5 | 47·4 |
| 14 | 47·3 | 47·5 | 48·7 | 49·7 | 49·6 | 50·1 | 50·9 | 50·9 | 51·3 | 51·3 | 51·3 | 48·7 | 49·7 | 46·6 | 46·0 | 47·2 | 48·0 | 44·5 | 45·6 | 46·0 | 43·0 | 44·1 | 43·0 | 42·8 |
| 15 | 42·8 | 41·5 | 41·6 | 41·7 | 41·3 | 41·0 | 40·7 | 40·6 | 39·9 | 42·0 | 45·0 | 47·3 | 48·5 | 48·4 | 49·0 | 48·7 | 48·3 | 48·6 | 48·7 | 48·7 | 49·1 | 49·7 | 49·7 | 48·8 |
| 16 | 46·3 | 45·2 | 45·0 | 44·6 | 44·5 | 44·9 | 45·4 | 46·6 | 48·5 | 49·8 | 51·1 | 51·4 | 51·6 | 51·8 | 51·9 | 51·8 | 51·3 | 51·3 | 51·4 | 51·2 | 51·2 | 51·3 | 51·2 | 51·3 |
| 17 | 51·2 | 51·6 | 51·8 | 51·5 | 48·0 | 47·5 | 47·0 | 46·0 | 45·7 | 46·4 | 47·7 | 48·3 | 49·1 | 47·8 | 48·7 | 47·6 | 46·2 | 45·7 | 43·9 | 43·0 | 43·5 | 43·4 | 43·0 | 44·6 |
| 18 | 45·4 | 46·7 | 47·3 | 48·6 | 49·3 | 50·0 | 50·2 | 50·2 | 50·3 | 50·6 | 51·1 | 51·6 | 52·0 | 52·1 | 52·1 | 52·1 | 52·4 | 52·7 | 52·6 | 52·6 | 52·7 | 53·0 | 53·3 | 53·1 |
| 19 | 53·6 | 53·6 | 53·7 | 53·5 | 53·7 | 53·6 | 53·8 | 53·6 | 53·9 | 54·2 | 52·9 | 53·3 | 52·0 | 51·2 | 50·7 | 49·6 | 48·5 | 47·0 | 46·7 | 45·9 | 45·8 | 45·6 | 46·0 | 45·4 |
| 20 | 45·2 | 45·5 | 45·0 | 44·6 | 43·5 | 44·2 | 43·6 | 43·6 | 43·8 | 44·6 | 46·0 | 45·9 | 48·2 | 46·8 | 47·7 | 47·1 | 46·5 | 44·9 | 44·1 | 45·0 | 44·7 | 43·6 | 44·8 | 44·5 |
| 21 | 44·4 | 44·6 | 44·1 | 44·7 | 44·6 | 44·5 | 46·0 | 46·0 | 47·0 | 48·0 | 48·4 | 48·6 | 48·4 | 48·0 | 47·5 | 46·9 | 46·8 | 46·8 | 47·0 | 47·2 | 47·2 | 47·3 | 47·4 | 47·0 |
| 22 | 46·8 | 46·7 | 46·6 | 46·3 | 46·7 | 47·0 | 47·2 | 47·3 | 47·4 | 47·0 | 46·7 | 47·0 | 47·4 | 46·9 | 46·8 | 46·6 | 47·0 | 47·4 | 47·6 | 47·6 | 47·9 | 48·0 | 47·8 | 47·5 |
| 23 | 47·7 | 47·7 | 48·0 | 47·8 | 48·1 | 48·1 | 48·0 | 47·9 | 48·3 | 48·3 | 49·1 | 49·7 | 49·7 | 49·4 | 49·4 | 49·4 | 49·7 | 50·0 | 50·7 | 51·0 | 51·2 | 51·1 | 50·4 | 50·6 |
| 24 | 47·3 | 47·7 | 46·3 | 46·4 | 44·6 | 44·0 | 43·9 | 43·9 | 44·4 | 44·7 | 46·9 | 47·3 | 47·9 | 47·6 | 47·6 | 47·3 | 46·5 | 46·7 | 47·5 | 48·0 | 48·7 | 47·3 | 48·1 | 48·4 |
| 25 | 49·1 | 49·6 | 50·2 | 50·5 | 51·0 | 50·6 | 50·9 | 51·0 | 51·2 | 51·2 | 47·9 | 47·1 | 47·9 | 47·9 | 47·0 | 43·6 | 42·9 | 42·4 | 42·7 | 41·9 | 40·9 | 41·6 | 42·1 | 41·6 |
| 26 | 41·8 | 41·6 | 41·9 | 41·7 | 41·3 | 41·5 | 41·0 | 41·0 | 42·0 | 43·2 | 44·9 | 45·8 | 46·5 | 46·2 | 46·6 | 45·6 | 44·6 | 43·8 | 43·0 | 43·9 | 43·6 | 44·2 | 44·1 | 45·0 |
| 27 | 44·9 | 45·2 | 46·0 | 46·9 | 46·9 | 48·0 | 47·9 | 48·6 | 49·6 | 50·5 | 51·7 | 50·9 | 51·5 | 51·0 | 51·0 | 50·1 | 48·5 | 47·7 | 47·6 | 47·6 | 47·2 | 46·8 | 46·0 | 46·8 |
| 28 | 46·9 | 48·4 | 48·6 | 48·5 | 49·0 | 49·1 | 50·0 | 51·0 | 51·0 | 51·3 | 50·4 | 51·0 | 50·2 | 50·1 | 49·0 | 47·9 | 44·9 | 45·4 | 43·7 | 43·6 | 44·6 | 43·9 | 43·1 | 40·8 |
| 29 | 42·7 | 42·6 | 42·4 | 42·4 | 42·4 | 42·5 | 43·9 | 43·4 | 44·2 | 46·0 | 47·9 | 48·8 | 49·7 | 49·2 | 49·6 | 49·4 | 48·1 | 49·0 | 49·5 | 49·0 | 48·9 | 48·8 | 47·9 | 48·0 |
| 30 | 48·0 | 47·3 | 47·6 | 47·0 | 48·4 | 48·7 | 48·4 | 49·0 | 47·0 | 46·8 | 46·6 | 46·6 | 46·0 | 46·5 | 45·6 | 45·7 | 44·9 | 44·6 | 44·6 | 44·2 | 44·0 | 44·1 | 44·3 | 43·2 |
| 31 | 43·8 | 43·4 | 43·1 | 43·9 | 42·5 | 41·8 | 43·0 | 43·0 | 43·1 | 43·4 | 44·6 | 44·4 | 45·2 | 46·1 | 48·7 | 49·5 | 49·8 | 49·9 | 49·5 | 49·3 | 49·2 | 48·9 | 48·7 | 48·6 |

*Record defective or Instrument out of action.

# HOURLY VALUES *January* 1877.

## CISTERN 211 FEET ABOVE MEAN SEA LEVEL.

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 28·809 | 28·833 | 28·865 | 28·907 | 28·965 | 28·992 | 29·024 | 29·055 | 29·104 | 29·141 | 29·177 | 1 |
| 29·276 | 29·249 | 29·201 | 29·164 | 29·181 | 29·203 | 29·223 | 29·229 | 29·221 | 29·231 | 29·225 | 2 |
| 28·949 | 28·957 | 28·955 | 28·947 | 28·948 | 28·943 | 28·935 | 28·933 | 28·937 | 28·922 | 28·905 | 3 |
| ·846 | ·862 | ·878 | ·886 | ·894 | ·905 | 28·918 | 28·924 | 28·930 | 28·938 | 28·950 | 4 |
| ·944 | ·951 | ·971 | ·963 | ·979 | ·989 | 29·007 | 29·027 | 29·047 | 29·057 | 29·065 | 5 |
| ·640 | ·636 | ·617 | ·610 | ·600 | 28·562 | 28·606 | 28·647 | 28·684 | 28·718 | 28·748 | 6 |
| 28·856 | 28·880 | 28·923 | 28·948 | 28·984 | 29·020 | 29·046 | 29·070 | 29·091 | 29·106 | 29·114 | 7 |
| 29·164 | 29·177 | 29·203 | 29·214 | 29·232 | ·244 | ·269 | ·264 | ·289 | ·289 | ·291 | 8 |
| ·688 | ·700 | ·716 | ·742 | ·750 | ·767 | ·775 | ·782 | ·785 | ·782 | ·776 | 9 |
| ·514 | ·499 | ·476 | ·456 | ·448 | ·459 | ·476 | ·489 | ·498 | ·500 | ·506 | 10 |
| ·635 | ·643 | ·629 | ·633 | ·638 | ·633 | ·633 | ·627 | ·621 | ·611 | ·606 | 11 |
| ·685 | ·721 | ·753 | ·779 | ·798 | ·813 | ·823 | ·838 | ·841 | ·846 | ·841 | 12 |
| ·721 | ·697 | ·703 | ·719 | ·731 | ·737 | ·741 | ·744 | ·741 | ·739 | ·725 | 13 |
| ·349 | ·389 | ·423 | ·464 | ·525 | ·569 | ·609 | ·641 | ·681 | ·703 | ·725 | 14 |
| ·866 | ·846 | ·836 | ·838 | ·828 | ·826 | ·824 | ·830 | ·826 | ·826 | ·831 | 15 |
| ·786 | ·785 | ·780 | ·780 | ·778 | ·762 | ·746 | ·726 | ·710 | ·686 | ·668 | 16 |
| ·581 | ·593 | ·617 | ·600 | ·643 | ·645 | ·633 | ·631 | ·625 | ·617 | ·586 | 17 |
| ·365 | ·362 | ·374 | ·381 | ·386 | ·392 | ·391 | ·385 | ·381 | ·381 | ·382 | 18 |
| 29·581 | 29·624 | 29·676 | 29·726 | 29·768 | 29·794 | 29·834 | 29·854 | 29·881 | 29·898 | 29·918 | 19 |
| 30·202 | 30·223 | 30·236 | 30·252 | 30·281 | 30·289 | 30·311 | 30·027 | 30·323 | 30·321 | 30·329 | 20 |
| ·343 | ·343 | ·339 | ·345 | ·342 | ·347 | ·348 | ·350 | ·350 | ·336 | ·327 | 21 |
| 30·240 | 30·236 | 30·220 | 30·216 | 30·205 | 30·196 | 30·202 | 30·188 | 30·182 | 30·166 | 30·162 | 22 |
| 29·953 | 29·944 | 29·909 | 29·881 | 29·873 | 29·846 | 29·831 | 29·828 | 29·801 | 29·789 | 29·793 | 23 |
| ·983 | ·972 | ·982 | ·980 | ·935 | ·898 | ·880 | ·852 | ·818 | ·780 | ·752 | 24 |
| 29·599 | 29·623 | 29·660 | 29·691 | 29·721 | 29·744 | 29·769 | 29·791 | 29·807 | 29·821 | 29·861 | 25 |
| 30·038 | 30·035 | 30·035 | 30·044 | 30·047 | 30·040 | 30·033 | 30·024 | 30·015 | 30·015 | 30·012 | 26 |
| 30·001 | 30·010 | 30·021 | 30·029 | 30·042 | 30·059 | 30·072 | 30·073 | 30·067 | 30·071 | 30·059 | 27 |
| 29·829 | 29·831 | 29·841 | 29·852 | 29·861 | 29·867 | 29·859 | 29·861 | 29·867 | 29·886 | 29·917 | 28 |
| 30·057 | 30·037 | 30·034 | 30·029 | 30·014 | 30·014 | 30·011 | 30·007 | ·974 | ·914 | ·877 | 29 |
| 29·639 | 29·670 | 29·715 | 29·755 | 29·795 | 29·811 | 29·831 | 29·865 | ·873 | ·897 | ·913 | 30 |
| 29·865 | 29·832 | 29·828 | 29·830 | 29·818 | 29·820 | 29·822 | 29·815 | 29·818 | 29·812 | 29·814 | 31 |

# WET BULB THERMOMETER 11 FEET ABOVE GROUND.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. | DAYS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51·3 | 51·8 | 51·6 | 51·3 | 50·5 | 50·4 | 45·6 | 45·4 | 47·3 | 47·7 | 48·8 | 48·8 | 49·3 | 49·2 | 50·0 | 48·3 | 48·0 | 46·4 | 45·4 | 45·5 | 45·6 | 45·6 | 45·2 | 43·8 | 1 |
| 43·6 | 42·9 | 42·6 | 41·6 | 40·6 | 39·1 | 38·5 | 38·3 | 39·7 | 40·5 | 41·8 | 42·9 | 43·9 | 43·0 | 46·0 | 46·2 | 48·6 | 49·8 | 49·1 | 46·7 | 47·9 | 48·4 | 49·2 | 49·0 | 2 |
| 49·6 | 50·5 | 50·8 | 50·7 | 52·0 | 52·3 | 52·8 | 52·6 | 52·5 | 52·6 | 52·8 | 52·0 | 52·4 | 51·8 | 51·7 | 51·3 | 51·3 | 51·5 | 51·4 | 51·5 | 51·0 | 50·0 | 50·3 | 49·7 | 3 |
| 50·4 | 49·0 | 49·0 | 48·5 | 48·0 | 47·8 | 47·8 | 48·5 | 49·2 | 49·0 | 50·0 | 49·4 | 49·7 | 49·0 | 48·9 | 48·0 | 47·6 | 47·4 | 47·0 | 46·0 | 47·0 | 45·2 | 46·0 | 46·7 | 4 |
| 46·0 | 45·0 | 46·4 | 46·0 | 46·4 | 44·9 | 46·2 | 46·2 | 45·6 | 47·0 | 47·0 | 47·8 | 46·2 | 45·1 | 46·0 | 44·6 | 44·5 | 42·4 | 41·4 | 41·8 | 43·0 | 41·3 | 41·2 | 41·2 | 5 |
| 42·0 | 43·0 | 45·2 | 44·7 | 45·7 | 47·2 | 48·3 | 50·3 | 51·0 | 51·2 | 52·0 | 51·8 | 51·4 | 51·0 | 50·7 | 50·8 | 50·3 | 46·4 | 48·3 | 47·5 | 46·2 | 47·1 | 47·2 | 46·7 | 6 |
| 47·4 | 46·5 | 44·7 | 45·4 | 45·3 | 45·7 | 45·0 | 44·5 | 45·9 | 46·0 | 47·0 | 47·8 | 48·4 | 47·3 | 48·3 | 45·1 | 46·6 | 46·5 | 47·3 | 47·7 | 47·9 | 47·6 | 48·7 | 47·0 | 7 |
| 46·7 | 48·0 | 49·3 | 49·7 | 49·7 | 49·6 | 49·6 | 49·9 | 50·3 | 50·3 | 51·0 | 51·0 | 51·2 | 51·1 | 49·8 | 49·6 | 48·3 | 49·2 | 49·3 | 48·7 | 48·6 | 48·3 | 48·4 | 49·0 | 8 |
| 48·3 | 49·0 | 48·4 | 48·9 | 48·5 | 47·7 | 48·0 | 48·0 | 47·6 | 47·1 | 47·9 | 48·8 | 49·3 | 49·7 | 49·0 | 48·3 | 47·5 | 46·8 | 46·0 | 46·3 | 46·2 | 45·9 | 45·5 | 44·9 | 9 |
| 44·7 | 43·9 | 44·0 | 44·0 | 45·9 | 45·7 | 46·0 | 46·8 | 47·0 | 47·1 | 47·0 | 46·5 | 46·5 | 46·6 | 46·6 | 46·4 | 45·9 | 45·1 | 45·2 | 44·3 | 44·0 | 43·1 | 42·9 | 42·8 | 10 |
| 42·5 | 42·4 | 42·5 | 42·4 | 42·4 | 42·0 | 41·9 | 42·1 | 42·2 | 41·9 | 42·3 | 42·8 | 42·9 | 42·6 | 42·8 | 43·0 | 42·7 | 42·2 | 41·4 | 41·5 | 41·8 | 41·3 | 42·1 | 41·9 | 11 |
| 41·6 | 41·1 | 41·7 | 41·9 | 43·3 | 42·7 | 43·0 | 42·3 | 41·5 | 41·8 | 40·8 | 40·3 | 40·0 | 40·0 | 39·6 | 39·8 | 39·6 | 39·4 | 39·1 | 38·4 | 37·7 | 37·4 | 37·6 | 36·9 | 12 |
| 36·2 | 36·0 | 36·5 | 36·2 | 35·7 | 36·6 | 37·7 | 38·7 | 39·7 | 42·1 | 43·4 | 44·9 | 46·6 | 47·6 | 49·2 | 49·3 | 48·5 | 48·1 | 48·5 | 48·8 | 48·8 | 48·8 | 48·0 | 46·5 | 13 |
| 46·6 | 46·6 | 47·7 | 49·0 | 49·0 | 49·6 | 50·3 | 50·4 | 50·5 | 50·5 | 50·9 | 47·5 | 48·6 | 45·3 | 44·2 | 45·0 | 45·0 | 42·4 | 42·4 | 42·4 | 40·4 | 40·4 | 40·6 | 40·0 | 14 |
| 40·0 | 39·0 | 39·3 | 39·5 | 39·1 | 38·9 | 38·7 | 38·3 | 37·9 | 39·8 | 42·7 | 43·3 | 44·9 | 45·2 | 46·3 | 46·5 | 47·0 | 47·4 | 47·6 | 48·1 | 48·5 | 48·9 | 49·0 | 48·2 | 15 |
| 45·5 | 44·1 | 43·9 | 43·2 | 43·0 | 43·3 | 43·5 | 44·9 | 47·3 | 49·3 | 50·7 | 51·0 | 51·4 | 51·3 | 51·5 | 51·4 | 51·0 | 50·7 | 50·7 | 50·7 | 50·7 | 50·9 | 50·8 | 50·8 | 16 |
| 51·0 | 51·2 | 51·3 | 51·2 | 47·7 | 47·0 | 46·6 | 45·5 | 45·1 | 45·7 | 47·0 | 47·6 | 47·5 | 46·5 | 47·3 | 46·0 | 45·0 | 44·5 | 42·9 | 41·7 | 42·0 | 41·9 | 41·5 | 42·8 | 17 |
| 42·6 | 44·6 | 45·0 | 45·6 | 46·9 | 47·7 | 48·7 | 49·0 | 49·7 | 50·0 | 50·6 | 51·0 | 51·4 | 51·4 | 51·7 | 51·6 | 52·0 | 52·0 | 52·1 | 52·0 | 51·9 | 52·2 | 52·6 | 52·6 | 18 |
| 52·7 | 52·6 | 52·9 | 52·8 | 53·0 | 53·0 | 53·0 | 53·0 | 53·0 | 52·3 | 49·9 | 48·0 | 47·0 | 46·0 | 45·9 | 45·3 | 44·5 | 44·6 | 43·6 | 43·3 | 43·1 | 43·6 | 43·2 | | 19 |
| 43·3 | 43·8 | 43·7 | 43·2 | 42·2 | 42·2 | 41·9 | 42·0 | 41·9 | 42·6 | 44·0 | 44·1 | 45·0 | 44·8 | 45·0 | 44·6 | 44·4 | 43·0 | 42·6 | 42·3 | 42·9 | 42·1 | 42·4 | 42·6 | 20 |
| 42·6 | 42·7 | 42·2 | 42·3 | 42·6 | 42·7 | 43·9 | 43·6 | 44·5 | 44·9 | 45·9 | 46·4 | 46·0 | 44·7 | 44·5 | 43·9 | 43·9 | 43·6 | 44·2 | 44·0 | 44·3 | 44·3 | 44·5 | 43·9 | 21 |
| 43·8 | 43·4 | 42·9 | 42·0 | 41·8 | 42·0 | 42·4 | 42·0 | 42·5 | 42·7 | 43·0 | 42·7 | 43·0 | 42·6 | 42·5 | 42·5 | 42·4 | 42·5 | 42·6 | 42·3 | 42·9 | 43·0 | 43·0 | 42·4 | 22 |
| 42·9 | 42·3 | 42·4 | 42·3 | 43·1 | 42·7 | 43·2 | 43·2 | 43·4 | 43·6 | 44·6 | 44·7 | 45·0 | 46·8 | 47·0 | 47·4 | 48·0 | 48·5 | 49·2 | 48·5 | 49·2 | 49·6 | 49·9 | 49·6 | 23 |
| 46·6 | 46·7 | 44·4 | 43·3 | 42·5 | 42·0 | 41·4 | 40·6 | 41·0 | 41·5 | 43·0 | 43·6 | 43·0 | 42·3 | 43·0 | 43·4 | 42·7 | 43·3 | 44·0 | 44·4 | 45·6 | 46·0 | 46·9 | 47·4 | 24 |
| 48·1 | 48·7 | 49·7 | 49·9 | 49·9 | 50·0 | 50·3 | 50·4 | 50·7 | 50·7 | 47·0 | 46·2 | 45·8 | 43·2 | 42·9 | 41·0 | 40·0 | 39·6 | 38·6 | 38·0 | 37·6 | 38·0 | 38·7 | 38·0 | 25 |
| 37·8 | 38·6 | 38·0 | 37·9 | 38·0 | 37·9 | 37·7 | 37·9 | 38·8 | 39·8 | 41·0 | 41·3 | 42·5 | 42·1 | 43·0 | 42·5 | 41·9 | 41·2 | 40·6 | 40·6 | 41·6 | 42·2 | 42·5 | 43·1 | 26 |
| 43·7 | 44·5 | 45·2 | 46·0 | 46·0 | 47·0 | 47·1 | 48·0 | 49·0 | 50·1 | 51·5 | 49·8 | 49·0 | 48·2 | 48·3 | 47·3 | 46·7 | 46·3 | 46·2 | 46·3 | 46·0 | 45·7 | 45·0 | 45·0 | 27 |
| 46·0 | 47·0 | 47·0 | 46·9 | 46·5 | 47·0 | 49·3 | 50·4 | 50·6 | 50·9 | 48·6 | 46·6 | 46·5 | 44·7 | 43·9 | 42·5 | 41·6 | 42·0 | 41·0 | 41·2 | 41·0 | 40·7 | 39·7 | 39·7 | 28 |
| 37·5 | 38·6 | 37·6 | 37·6 | 38·5 | 38·4 | 40·0 | 39·4 | 40·6 | 42·6 | 44·0 | 44·6 | 45·6 | 45·9 | 46·1 | 46·3 | 46·6 | 46·5 | 46·1 | 46·0 | 45·6 | 45·6 | 46·4 | 46·2 | 29 |
| 45·9 | 45·8 | 45·7 | 45·4 | 46·1 | 46·8 | 47·4 | 48·1 | 47·0 | 45·2 | 43·6 | 42·7 | 42·2 | 42·0 | 40·6 | 40·7 | 40·6 | 40·5 | 40·7 | 41·0 | 41·0 | 40·7 | 40·9 | 40·5 | 30 |
| 41·0 | 40·6 | 40·5 | 40·3 | 40·0 | 39·7 | 39·6 | 40·2 | 40·6 | 41·2 | 43·2 | 43·6 | 44·6 | 45·7 | 48·4 | 49·1 | 49·2 | 49·3 | 49·1 | 48·7 | 48·4 | 48·1 | 47·8 | 47·8 | 31 |

*Meteorological Office,*
*116, Victoria Street, Westminster. S.W.*
ROBERT H. SCOTT, Director.

# FALMOUTH OBSERVATORY LAT 50.9' N LONG 5.4' W

## WIND

DIRECTION IN NUMBERS | 8 - E 24 W | 16 - S 32 N

| DAYS | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | NOON | | 1 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V |
| 1 | 13 | 21 | 17 | 23 | 5 | 19 | 16 | 19 | 17 | 24 | 24 | 25 | 26 | 33 | 24 | 22 | 21 | 24 | 22 | 23 | 20 | 34 | 21 | 28 | 21 | 26 |
| 2 | 27 | 19 | 27 | 13 | 27 | 9.5 | 26 | 10.5 | 26 | 8.5 | 26 | 9.5 | 26 | 6.5 | 26 | 4 | 26 | 4 | 26 | 5.5 | 9 | 18 | 10 | 22 | 10 | 31 |
| 3 | 13 | 13 | 13 | 19 | 12 | 24 | 10 | 26 | 15 | 24 | 15 | 27 | 15 | 32 | 16 | 31 | 15 | 38 | 17 | 32 | 18 | 28 | 16 | 29 | 17 | 25 |
| 4 | 16 | 22 | 18 | 18 | 17 | 18 | 18 | 19 | 17 | 20 | 18 | 19 | 18 | 21 | 18 | 22 | 18 | 23 | 18 | 23 | 17 | 29 | 19 | 24 | 19 | 27 |
| 5 | 22 | 22 | 21 | 19 | 20 | 18 | 20 | 11 | 20 | 15 | 19 | 12 | 18 | 15 | 18 | 18 | 18 | 15 | 17 | 25 | 17 | 24 | 23 | 27 | 25 | 26 |
| 6 | 21 | 18 | 20 | 14 | 18 | 16 | 18 | 17 | 16 | 16 | 17 | 22 | 15 | 26 | 17 | 27 | 18 | 26 | 15 | 28 | 16 | 36 | 15 | 42 | 15 | 50 |
| 7 | 18 | 29 | 19 | 28 | 18 | 30 | 17 | 25 | 18 | 24 | 19 | 28 | 19 | 23 | 19 | 23 | 19 | 22 | 19 | 20 | 18 | 23 | 18 | 24 | 18 | 31 |
| 8 | 17 | 23 | 17 | 23 | 17 | 21 | 17 | 22 | 18 | 21 | 18 | 20 | 18 | 18 | 18 | 17 | 17 | 13 | 17 | 11 | 17 | 9.5 | 17 | 10.5 | 18 | 7 |
| 9 | 8 | 9.5 | 9 | 11 | 19 | 14 | 18 | 16 | 20 | 19 | 20 | 25 | 21 | 29 | 21 | 27 | 22 | 32 | 22 | 27 | 22 | 18 | 22 | 13 | 22 | 18 |
| 10 | 20 | 46 | 29 | 45 | 31 | 55 | 2 | 66 | 4 | 10.5 | 4 | 10 | 5 | 16 | 6 | 23 | 5 | 26 | 6 | 29 | 5 | 24 | 4 | 27 | 3 | 29 |
| 11 | 30 | 21 | 30 | 22 | 30 | 20 | 31 | 18 | 30 | 16 | 30 | 16 | 29 | 16 | 29 | 14 | 30 | 12 | 31 | 9.5 | 30 | 10 | 31 | 9.5 | 32 | 8 |
| 12 | 21 | 55 | 21 | 45 | 21 | 45 | 17 | 10.5 | 18 | 8.5 | 25 | 15 | 26 | 20 | 28 | 30 | 28 | 37 | 28 | 31 | 29 | 35 | 28 | 29 | 29 | 30 |
| 13 | 27 | 9.5 | 27 | 9.5 | 25 | 11 | 23 | 10.5 | 23 | 7.5 | 23 | 3 | 23 | 4 | 18 | 6.5 | 18 | 13 | 16 | 16 | 17 | 19 | 16 | 21 | 16 | 22 |
| 14 | 20 | 7.5 | 19 | 7.5 | 17 | 10.5 | 17 | 20 | 17 | 20 | 17 | 23 | 18 | 27 | 18 | 27 | 18 | 27 | 17 | 24 | 19 | 29 | 20 | 13 | 19 | 17 |
| 15 | 24 | 21 | 26 | 22 | 25 | 20 | 24 | 23 | 25 | 15 | 26 | 10.5 | 20 | 13 | 24 | 10 | 21 | 12 | 21 | 9.5 | 19 | 8.5 | 20 | 13 | 18 | 18 |
| 16 | 23 | 8.5 | 23 | 7.5 | 23 | 7.5 | 23 | 9.5 | 20 | 6.5 | 20 | 6.5 | 20 | 11 | 17 | 9.5 | 19 | 13 | 19 | 20 | 19 | 25 | 19 | 23 | 19 | 23 |
| 17 | 18 | 26 | 17 | 28 | 18 | 27 | 20 | 22 | 27 | 11 | 27 | 8.5 | 27 | 4 | 27 | 2 | 27 | 45 | 22 | 55 | 16 | 8.5 | 18 | 12 | 21 | 14 |
| 18 | 17 | 18 | 17 | 22 | 17 | 21 | 17 | 28 | 17 | 31 | 17 | 33 | 16 | 31 | 16 | 32 | 17 | 28 | 17 | 26 | 17 | 30 | 17 | 30 | 17 | 32 |
| 19 | 18 | 35 | 18 | 34 | 18 | 37 | 18 | 34 | 18 | 36 | 18 | 38 | 18 | 37 | 18 | 39 | 18 | 29 | 18 | 34 | 19 | 42 | 19 | 44 | 20 | 47 |
| 20 | 23 | 2 | 23 | 2 | 23 | 15 | 23 | 4 | 23 | 4.5 | 23 | 3 | 23 | 2 | 23 | 3 | 23 | 3 | 23 | 2 | 23 | 3 | 23 | 4.5 | 23 | 5 |
| 21 | 19 | 12 | 19 | 10.5 | 19 | 12 | 19 | 11 | 19 | 10.5 | 19 | 11 | 17 | 14 | 17 | 13 | 16 | 15 | 16 | 17 | 15 | 21 | 15 | 21 | 15 | 26 |
| 22 | 5 | 19 | 15 | 19 | 14 | 20 | 14 | 21 | 13 | 21 | 13 | 24 | 14 | 25 | 14 | 21 | 14 | 26 | 14 | 25 | 14 | 24 | 13 | 26 | 14 | 26 |
| 23 | 16 | 22 | 16 | 24 | 15 | 24 | 15 | 24 | 15 | 22 | 15 | 27 | 15 | 27 | 15 | 29 | 15 | 33 | 15 | 31 | 15 | 30 | 15 | 31 | 15 | 33 |
| 24 | 23 | 16 | 23 | 15 | 24 | 16 | 24 | 17 | 24 | 17 | 26 | 17 | 25 | 16 | 27 | 11 | 27 | 9.5 | 27 | 5.5 | 27 | 4 | 22 | 6.5 | 19 | 10 |
| 25 | 17 | 30 | 18 | 29 | 19 | 31 | 19 | 30 | 19 | 33 | 19 | 32 | 19 | 33 | 19 | 35 | 20 | 32 | 20 | 28 | 27 | 31 | 26 | 26 | 27 | 25 |
| 26 | 27 | 25 | 27 | 21 | 27 | 27 | 27 | 24 | 27 | 19 | 28 | 17 | 28 | 15 | 27 | 14 | 27 | 10.5 | 27 | 11 | 26 | 15 | 27 | 12 | 27 | 10 |
| 27 | 19 | 35 | 19 | 8.5 | 18 | 8.5 | 19 | 12 | 20 | 10.5 | 20 | 20 | 20 | 18 | 20 | 18 | 20 | 19 | 22 | 17 | 26 | 21 | 27 | 21 | 28 | 15 |
| 28 | 19 | 35 | 17 | 17 | 17 | 19 | 18 | 24 | 18 | 22 | 18 | 26 | 19 | 30 | 20 | 34 | 20 | 35 | 22 | 35 | 24 | 35 | 23 | 08 | 24 | 38 |
| 29 | 26 | 39 | 25 | 38 | 26 | 32 | 26 | 27 | 25 | 22 | 25 | 29 | 25 | 33 | 25 | 24 | 24 | 24 | 23 | 24 | 23 | 01 | 22 | 31 | 23 | 33 |
| 30 | 21 | 38 | 22 | 39 | 21 | 46 | 22 | 49 | 21 | 53 | 22 | 51 | 22 | 51 | 22 | 49 | 25 | 45 | 26 | 34 | 27 | 40 | 27 | 35 | 27 | 39 |
| 31 | 27 | 16 | 27 | 15 | 27 | 15 | 26 | 14 | 26 | 11 | 26 | 8.5 | 24 | 12 | 24 | 12 | 24 | 6.5 | 22 | 7.5 | 22 | 8.5 | 18 | 13 | 18 | 18 |

## RAINFALL

GAUGE { HEIGHT ABOVE GROUND 2 FEET
HEIGHT ABOVE MEAN SEA LEVEL 187 FEET

| DAYS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 070 | 045 | 055 | 030 | – | 010 | 020 | 020 | 005 | 005 | 015 | 025 | 010 | – | 020 | 010 | 035 | – | – | – | 025 | – | 005 | 005 |
| 2 | 010 | – | – | – | – | – | – | – | – | – | – | – | – | 040 | 160 | 130 | 120 | 290 | – | 010 | – | – | – | 005 |
| 3 | – | – | – | 165 | 190 | 125 | 045 | 020 | 005 | 020 | 025 | 090 | 170 | 335 | 010 | – | – | – | 010 | – | 005 | 005 | – | – |
| 4 | – | – | – | – | – | – | – | – | 015 | – | – | 080 | – | – | 045 | 075 | – | – | 020 | – | 085 | – | – | – |
| 5 | – | – | – | – | – | 015 | – | 030 | 020 | 020 | – | 005 | – | – | 105 | 035 | 015 | 080 | 075 | 020 | – | – | – | – |
| 6 | – | – | – | 030 | 040 | 030 | 020 | 040 | 030 | 005 | 010 | 030 | 140 | 070 | 050 | 150 | – | – | 280 | 040 | 010 | 005 | – | 005 |
| 7 | – | 010 | 200 | 165 | 020 | – | – | – | – | 005 | – | – | – | – | – | 075 | 040 | 050 | – | – | – | – | 005 | 030 |
| 8 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 005 | 020 | – | – | – | – | – | 005 |
| 9 | – | 010 | – | – | 010 | – | 005 | 005 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 10 | – | – | – | – | – | – | 020 | 030 | 040 | 050 | 075 | 075 | 015 | 015 | 050 | 020 | – | – | – | – | 035 | 050 | 015 | – |
| 11 | 015 | – | – | 005 | 005 | 005 | 010 | 020 | 010 | – | – | 005 | – | 005 | – | – | – | – | – | – | 005 | 010 | 010 | – |
| 12 | – | – | – | – | – | 125 | 040 | 065 | 010 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 13 | – | – | – | – | – | – | – | – | – | 020 | – | 010 | 040 | 035 | 105 | 010 | – | – | – | – | – | – | – | – |
| 14 | – | – | – | – | 015 | 035 | 065 | 010 | 005 | – | 080 | 130 | 005 | 120 | 055 | 050 | – | 015 | 010 | – | – | 005 | 015 | – |
| 15 | – | 025 | 005 | 010 | – | 010 | – | – | – | – | – | – | – | – | – | – | – | – | 010 | 010 | 040 | 005 | – | 005 |
| 16 | – | – | – | – | – | – | – | – | – | 005 | – | 005 | 005 | 060 | 055 | 075 | 035 | 005 | – | 005 | – | 005 | 010 | 005 |
| 17 | 020 | 025 | 040 | 090 | 045 | – | – | – | – | – | – | 015 | 020 | 040 | 015 | – | – | – | – | 005 | 005 | – | – | 010 |
| 18 | – | – | – | – | – | – | – | 015 | 075 | – | 020 | 005 | 035 | 055 | 020 | 035 | 030 | 025 | – | 015 | 040 | 010 | 010 | 030 |
| 19 | 020 | 050 | 025 | 015 | 010 | 040 | – | 010 | 005 | 005 | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 20 | – | – | – | – | – | – | – | – | – | – | – | – | – | 015 | 005 | – | – | – | – | – | – | – | – | – |
| 21 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 22 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 23 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 010 | 035 |
| 24 | 025 | 005 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 010 | 010 | 050 | 090 |
| 25 | 060 | 010 | 030 | 085 | 020 | 040 | 070 | 060 | 025 | 020 | 035 | 025 | – | – | 005 | 005 | 045 | 005 | – | 010 | 005 | 015 | – | – |
| 26 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 27 | 010 | 045 | – | – | – | – | 015 | 005 | 020 | 025 | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 28 | – | – | – | – | – | – | 030 | 040 | 050 | 050 | 020 | – | – | – | – | – | – | 005 | 005 | – | – | – | – | 010 |
| 29 | – | 005 | – | – | – | – | 005 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 30 | – | 015 | – | 005 | – | 005 | 010 | 100 | 155 | 135 | 010 | – | 010 | – | – | – | – | – | – | 010 | 010 | – | – | – |
| 31 | – | – | – | – | – | – | – | – | – | – | 010 | 020 | 010 | 020 | 050 | 015 | 015 | 005 | 015 | 005 | – | – | – | – |

*Record defective or Instrument out of action.*

# HOURLY VALUES ... *January* 1877.

## AND VELOCITY IN MILES PER HOUR

| 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | MIDT | | DAYS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | |
| 12 | 24 | 23 | 15 | 20 | 16 | 26 | 20 | 26 | 16 | 24 | 10·5 | 24 | 9·5 | 25 | 12 | 25 | 9·5 | 27 | 13 | 26 | 18 | 1 |
| 0 | 35 | 12 | 29 | 13 | 31 | 13 | 35 | 17 | 22 | 18 | 17 | 19 | 15 | 18 | 10·5 | 17 | 8·5 | 16 | 13 | 16 | 13 | 2 |
| 6 | 28 | 18 | 24 | 18 | 23 | 16 | 20 | 16 | 22 | 16 | 21 | 17 | 24 | 17 | 23 | 18 | 20 | 17 | 17 | 17 | 18 | 3 |
| 9 | 27 | 21 | 24 | 21 | 19 | 20 | 18 | 20 | 20 | 22 | 21 | 21 | 18 | 21 | 22 | 22 | 24 | 21 | 22 | 22 | 22 | 4 |
| 23 | 14 | 20 | 13 | 22 | 20 | 22 | 19 | 23 | 25 | 22 | 18 | 22 | 21 | 24 | 23 | 23 | 21 | 23 | 17 | 21 | 17 | 5 |
| 6 | 45 | 18 | 35 | 17 | 34 | 17 | 39 | 17 | 36 | 18 | 46 | 19 | 40 | 20 | 40 | 20 | 41 | 19 | 38 | 19 | 34 | 6 |
| 8 | 30 | 18 | 32 | 20 | 35 | 19 | 30 | 19 | 33 | 19 | 36 | 19 | 31 | 19 | 30 | 18 | 28 | 17 | 24 | 17 | 28 | 7 |
| 7 | 10·5 | 18 | 11 | 18 | 12 | 21 | 6·5 | 19 | 8·5 | 19 | 7·5 | 19 | 8·5 | 19 | 7·5 | 18 | 7·5 | 18 | 4·5 | 17 | 7·5 | 8 |
| 0 | 18 | 21 | 16 | 20 | 10·5 | 20 | 9·5 | 20 | 9·5 | 20 | 13 | 20 | 11 | 20 | 5·5 | 20 | 4 | 20 | 2 | 20 | 4 | 9 |
| 3 | 27 | 3 | 23 | 4 | 27 | 3 | 25 | 3 | 26 | 2 | 25 | 1 | 23 | 32 | 16 | 30 | 17 | 29 | 19 | 29 | 20 | 10 |
| 8 | 6·5 | 27 | 4 | 27 | 3 | 27 | 4·5 | 24 | 5·5 | 24 | 5·5 | 28 | 4·5 | 24 | 7·5 | 22 | 9·5 | 23 | 9·5 | 23 | 7·5 | 11 |
| 28 | 30 | 27 | 29 | 28 | 22 | 28 | 22 | 29 | 18 | 27 | 15 | 27 | 14 | 27 | 11 | 27 | 9·5 | 27 | 11 | 27 | 12 | 12 |
| 5 | 21 | 17 | 17 | 22 | 9·5 | 23 | 9·5 | 23 | 9·5 | 22 | 11 | 22 | 11 | 22 | 8·5 | 19 | 9·5 | 21 | 11 | 20 | 9·5 | 13 |
| 26 | 36 | 27 | 22 | 25 | 22 | 26 | 27 | 27 | 24 | 26 | 25 | 24 | 29 | 26 | 31 | 26 | 25 | 25 | 23 | 26 | 25 | 14 |
| 9 | 20 | 18 | 20 | 18 | 19 | 19 | 20 | 19 | 22 | 19 | 22 | 19 | 20 | 19 | 18 | 21 | 18 | 20 | 18 | 21 | 12 | 15 |
| 9 | 20 | 19 | 20 | 19 | 20 | 20 | 25 | 19 | 20 | 18 | 19 | 18 | 23 | 18 | 24 | 18 | 24 | 18 | 22 | 18 | 28 | 16 |
| 2 | 14 | 25 | 11 | 23 | 7·5 | 25 | 9·5 | 25 | 6·5 | 25 | 6·5 | 23 | 8·5 | 22 | 10·5 | 20 | 10·5 | 19 | 17 | 17 | 17 | 17 |
| 7 | 34 | 17 | 31 | 18 | 31 | 18 | 34 | 18 | 32 | 18 | 29 | 17 | 28 | 17 | 30 | 17 | 30 | 18 | 34 | 18 | 34 | 18 |
| 1 | 39 | 22 | 32 | 23 | 24 | 23 | 17 | 23 | 11 | 23 | 11 | 23 | 8·5 | 23 | 9·5 | 24 | 7·5 | 24 | 7·5 | 23 | 4·5 | 19 |
| 8 | 5·5 | 28 | 3 | 28 | 4 | 28 | 5·5 | 28 | 5·5 | 28 | 6·5 | 28 | 5·5 | 28 | 4·5 | 21 | 8·5 | 19 | 10·5 | 19 | 11 | 20 |
| 5 | 24 | 15 | 20 | 14 | 22 | 14 | 22 | 14 | 23 | 14 | 21 | 14 | 23 | 14 | 21 | 14 | 23 | 14 | 24 | 15 | 24 | 21 |
| 4 | 21 | 14 | 23 | 14 | 26 | 14 | 21 | 14 | 25 | 14 | 24 | 15 | 21 | 14 | 25 | 14 | 24 | 15 | 25 | 15 | 20 | 22 |
| 5 | 30 | 16 | 29 | 15 | 30 | 15 | 30 | 16 | 31 | 17 | 30 | 17 | 31 | 17 | 31 | 18 | 31 | 18 | 29 | 20 | 24 | 23 |
| 9 | 9·5 | 17 | 12 | 18 | 12 | 18 | 10·5 | 15 | 14 | 15 | 22 | 16 | 26 | 15 | 28 | 16 | 27 | 17 | 26 | 17 | 25 | 24 |
| 6 | 29 | 26 | 31 | 26 | 29 | 26 | 29 | 26 | 28 | 26 | 25 | 26 | 31 | 26 | 25 | 27 | 22 | 25 | 21 | 27 | 22 | 25 |
| 6 | 10·5 | 26 | 9·5 | 24 | 5·5 | 24 | 7·5 | 24 | 7·5 | 24 | 7·5 | 21 | 8·5 | 20 | 7·5 | 19 | 8·5 | 19 | 9·5 | 19 | 8·5 | 26 |
| 7 | 18 | 26 | 13 | 26 | 11 | 26 | 9·5 | 26 | 12 | 26 | 12 | 26 | 9·5 | 26 | 7·5 | 18 | 4·5 | 19 | 8·5 | 19 | 5·5 | 27 |
| 4 | 40 | 24 | 39 | 24 | 32 | 24 | 30 | 24 | 28 | 23 | 27 | 23 | 31 | 25 | 35 | 25 | 39 | 25 | 44 | 26 | 44 | 28 |
| 3 | 06 | 23 | 04 | 23 | 08 | 23 | 08 | 23 | 08 | 23 | 04 | 23 | 28 | 22 | 24 | 23 | 29 | 22 | 30 | 22 | 36 | 29 |
| 7 | 37 | 27 | 37 | 27 | 32 | 27 | 30 | 26 | 27 | 26 | 24 | 27 | 24 | 27 | 23 | 27 | 21 | 27 | 18 | 27 | 15 | 30 |
| 8 | 15 | 21 | 16 | 23 | 19 | 23 | 16 | 23 | 25 | 23 | 24 | 24 | 27 | 24 | 28 | 25 | 25 | 25 | 29 | 25 | 28 | 31 |

## VAPOUR TENSION. *IN INCHES BY GLAISHERS TABLES. 5TH EDITION.*

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 370 | 365 | 362 | 362 | 341 | 353 | 296 | 289 | 313 | 312 | 329 | 329 | 328 | 336 | 348 | 324 | 322 | 294 | 280 | 288 | 291 | 291 | 292 | 265 | 1 |
| 266 | 262 | 258 | 246 | 238 | 220 | 216 | 211 | 217 | 232 | 229 | 243 | 257 | 282 | 298 | 297 | 337 | 344 | 334 | 292 | 321 | 320 | 338 | 331 | 2 |
| 345 | 356 | 361 | 362 | 382 | 389 | 389 | 387 | 389 | 377 | 382 | 375 | 386 | 379 | 366 | 359 | 361 | 365 | 365 | 365 | 358 | 344 | 349 | 337 | 3 |
| 346 | 324 | 330 | 319 | 318 | 305 | 301 | 315 | 332 | 323 | 334 | 337 | 327 | 315 | 324 | 323 | 306 | 305 | 296 | 282 | 293 | 280 | 284 | 295 | 4 |
| 282 | 270 | 292 | 285 | 282 | 274 | 294 | 286 | 290 | 296 | 297 | 316 | 294 | 266 | 285 | 273 | 276 | 256 | 246 | 246 | 261 | 229 | 226 | 230 | 5 |
| 335 | 247 | 272 | 274 | 292 | 313 | 331 | 361 | 366 | 369 | 378 | 376 | 372 | 357 | 358 | 346 | 337 | 277 | 305 | 298 | 277 | 292 | 288 | 276 | 6 |
| 291 | 289 | 272 | 287 | 287 | 281 | 274 | 264 | 281 | 279 | 296 | 298 | 308 | 289 | 309 | 282 | 290 | 294 | 293 | 302 | 302 | 298 | 320 | 287 | 7 |
| 294 | 310 | 332 | 337 | 336 | 337 | 338 | 343 | 349 | 348 | 361 | 364 | 363 | 363 | 338 | 335 | 317 | 335 | 340 | 330 | 330 | 327 | 328 | 334 | 8 |
| 330 | 338 | 328 | 336 | 329 | 306 | 318 | 319 | 301 | 289 | 303 | 314 | 321 | 324 | 308 | 309 | 305 | 300 | 291 | 299 | 302 | 299 | 295 | 291 | 9 |
| 290 | 281 | 279 | 278 | 304 | 299 | 299 | 307 | 310 | 308 | 309 | 304 | 304 | 302 | 304 | 304 | 297 | 279 | 280 | 271 | 267 | 265 | 265 | 263 | 10 |
| 260 | 258 | 256 | 253 | 254 | 251 | 253 | 256 | 258 | 254 | 256 | 259 | 255 | 250 | 253 | 254 | 258 | 249 | 246 | 247 | 251 | 245 | 251 | 261 | 11 |
| 247 | 243 | 243 | 248 | 265 | 263 | 265 | 254 | 241 | 221 | 214 | 206 | 205 | 203 | 201 | 209 | 207 | 204 | 204 | 200 | 200 | 197 | 199 | 193 | 12 |
| 210 | 188 | 181 | 179 | 176 | 177 | 199 | 210 | 220 | 246 | 262 | 286 | 309 | 325 | 343 | 345 | 336 | 329 | 331 | 339 | 339 | 339 | 328 | 305 | 13 |
| 307 | 306 | 319 | 338 | 340 | 349 | 357 | 369 | 357 | 357 | 367 | 314 | 328 | 287 | 269 | 273 | 263 | 247 | 236 | 233 | 204 | 212 | 225 | 217 | 14 |
| 220 | 211 | 216 | 219 | 215 | 213 | 213 | 206 | 206 | 221 | 247 | 236 | 257 | 264 | 283 | 290 | 306 | 312 | 316 | 329 | 334 | 336 | 338 | 330 | 15 |
| 295 | 275 | 273 | 262 | 259 | 261 | 259 | 278 | 311 | 345 | 365 | 369 | 377 | 374 | 376 | 376 | 370 | 362 | 361 | 363 | 363 | 367 | 366 | 365 | 16 |
| 371 | 371 | 372 | 373 | 327 | 316 | 315 | 299 | 293 | 299 | 313 | 318 | 309 | 300 | 309 | 291 | 285 | 279 | 264 | 249 | 250 | 249 | 245 | 254 | 17 |
| 341 | 268 | 271 | 272 | 292 | 302 | 325 | 332 | 349 | 353 | 363 | 366 | 372 | 371 | 379 | 376 | 382 | 378 | 383 | 380 | 375 | 380 | 387 | 388 | 18 |
| 386 | 384 | 390 | 390 | 393 | 394 | 391 | 394 | 389 | 385 | 369 | 316 | 287 | 274 | 264 | 267 | 266 | 264 | 268 | 258 | 252 | 250 | 257 | 253 | 19 |
| 258 | 266 | 268 | 262 | 253 | 247 | 246 | 248 | 244 | 250 | 265 | 268 | 261 | 273 | 267 | 265 | 268 | 254 | 256 | 260 | 255 | 250 | 247 | 249 | 20 |
| 252 | 252 | 247 | 242 | 248 | 253 | 263 | 257 | 264 | 261 | 279 | 267 | 260 | 257 | 258 | 252 | 253 | 245 | 257 | 251 | 258 | 257 | 260 | 251 | 21 |
| 251 | 244 | 235 | 222 | 214 | 214 | 220 | 212 | 220 | 227 | 236 | 227 | 229 | 226 | 226 | 228 | 222 | 220 | 219 | 215 | 223 | 224 | 226 | 218 | 22 |
| 225 | 214 | 213 | 213 | 225 | 218 | 228 | 229 | 230 | 233 | 246 | 242 | 248 | 268 | 293 | 303 | 313 | 322 | 331 | 311 | 328 | 337 | 358 | 341 | 23 |
| 309 | 306 | 270 | 256 | 248 | 244 | 238 | 216 | 220 | 227 | 234 | 242 | 225 | 215 | 228 | 238 | 232 | 242 | 248 | 251 | 270 | 294 | 306 | 315 | 24 |
| 324 | 333 | 351 | 352 | 346 | 353 | 357 | 358 | 363 | 363 | 310 | 302 | 282 | 229 | 231 | 229 | 225 | 212 | 194 | 191 | 198 | 193 | 201 | 193 | 25 |
| 198 | 203 | 191 | 190 | 195 | 191 | 192 | 195 | 204 | 209 | 215 | 214 | 229 | 225 | 237 | 238 | 237 | 230 | 226 | 227 | 240 | 246 | 254 | 255 | 26 |
| 269 | 285 | 292 | 299 | 299 | 309 | 313 | 327 | 344 | 358 | 379 | 344 | 317 | 304 | 306 | 292 | 297 | 296 | 295 | 298 | 295 | 294 | 287 | 289 | 27 |
| 299 | 305 | 302 | 294 | 287 | 297 | 342 | 358 | 364 | 367 | 320 | 268 | 253 | 238 | 233 | 216 | 233 | 230 | 233 | 232 | 218 | 219 | 209 | 192 | 28 |
| 274 | 195 | 180 | 179 | 195 | 192 | 206 | 200 | 214 | 236 | 244 | 249 | 260 | 272 | 271 | 278 | 289 | 287 | 272 | 276 | 269 | 270 | 273 | 290 | 29 |
| 283 | 289 | 283 | 284 | 282 | 297 | 315 | 325 | 323 | 282 | 254 | 231 | 229 | 219 | 202 | 204 | 208 | 210 | 213 | 222 | 224 | 217 | 219 | 223 | 30 |
| 226 | 221 | 224 | 222 | 220 | 222 | 218 | 215 | 225 | 234 | 262 | 274 | 287 | 303 | 335 | 343 | 342 | 343 | 340 | 336 | 329 | 326 | 321 | 323 | 31 |

*Meteorological Office*
*116, Victoria Street, Westminster. S.W.*
ROBERT H. SCOTT, Director.

STONYHURST OBSERVATORY LAT. 53°51′ N. LONG. 2°28′ W.

# BAROMETER.

| DAYS. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28·598 | 28·546 | 28·547 | 28·507 | 28·446 | 28·408 | 28·377 | 28·352 | 28·348 | 28·339 | 28·361 | 28·384 | 28·40 |
| 2 | 28·985 | 29·032 | 29·064 | 29·105 | 29·142 | 29·181 | 29·206 | 29·241 | 29·268 | 29·297 | 29·312 | 29·308 | 29·30 |
| 3 | 29·315 | 29·332 | 29·331 | 29·311 | 29·289 | 29·263 | 29·243 | 29·249 | 29·225 | 29·207 | 29·191 | 29·135 | 29·09 |
| 4 | 28·821 | 28·794 | 28·785 | 28·747 | 28·738 | 28·736 | 28·721 | 28·711 | 28·698 | 28·697 | 28·684 | 28·680 | 28·66 |
| 5 | ·586 | ·592 | ·583 | ·587 | ·586 | ·596 | ·608 | ·638 | ·657 | ·675 | ·689 | ·694 | ·68 |
| 6 | ·691 | ·694 | ·708 | ·730 | ·744 | ·744 | ·750 | ·778 | ·779 | ·772 | ·763 | ·739 | ·69 |
| 7 | ·411 | ·462 | ·497 | ·519 | ·532 | ·540 | ·548 | ·547 | ·553 | ·567 | ·576 | ·577 | ·58 |
| 8 | 28·815 | 28·840 | 28·858 | 28·866 | 28·894 | 28·904 | 28·921 | 28·940 | 28·961 | 28·972 | 28·981 | 28·970 | 28·97 |
| 9 | 29·084 | 29·088 | 29·097 | 29·101 | 29·114 | 29·145 | 29·169 | 29·201 | 29·238 | 29·278 | 29·304 | 29·326 | 29·35 |
| 10 | ·612 | ·616 | ·617 | ·621 | ·626 | ·630 | ·638 | ·648 | ·657 | ·671 | ·666 | ·649 | ·64 |
| 11 | ·560 | ·544 | ·536 | ·533 | ·528 | ·518 | ·509 | ·504 | ·498 | ·491 | ·482 | ·470 | ·45 |
| 12 | ·386 | ·387 | ·385 | ·379 | ·372 | ·371 | ·372 | ·378 | ·390 | ·404 | ·404 | ·416 | ·41 |
| 13 | ·587 | ·588 | ·592 | ·598 | ·601 | ·600 | ·599 | ·594 | ·603 | ·611 | ·609 | ·595 | ·57 |
| 14 | ·478 | ·456 | ·437 | ·416 | ·390 | ·362 | ·341 | ·298 | ·275 | ·250 | ·204 | ·168 | ·10 |
| 15 | ·283 | ·317 | ·351 | ·380 | ·404 | ·442 | ·463 | ·499 | ·518 | ·540 | ·566 | ·573 | ·57 |
| 16 | ·518 | ·526 | ·525 | ·514 | ·515 | ·518 | ·517 | ·526 | ·532 | ·535 | ·524 | ·502 | ·48 |
| 17 | ·366 | ·329 | ·318 | ·310 | ·309 | ·310 | ·310 | ·307 | ·319 | ·326 | ·325 | ·315 | ·32 |
| 18 | ·341 | ·330 | ·328 | ·315 | ·303 | ·281 | ·252 | ·226 | ·206 | ·194 | ·189 | ·158 | ·14 |
| 19 | ·119 | ·101 | ·099 | ·096 | ·092 | ·080 | ·072 | ·077 | ·086 | ·092 | ·091 | ·069 | ·07 |
| 20 | 29·655 | 29·691 | 29·723 | 29·755 | 29·771 | 29·789 | 29·815 | 29·842 | 29·873 | 29·895 | 29·901 | 29·896 | 29·92 |
| 21 | 30·076 | 30·077 | 30·072 | 30·069 | 30·064 | 30·061 | 30·058 | 30·071 | 30·076 | 30·096 | 30·096 | 30·088 | 30·08 |
| 22 | 30·098 | 30·100 | 30·103 | 30·093 | 30·086 | 30·112 | 30·117 | 30·132 | 30·143 | 30·153 | 30·145 | 30·130 | 30·12 |
| 23 | 29·991 | 29·971 | 29·960 | 29·951 | 29·938 | 29·925 | 29·904 | 29·892 | 29·891 | 29·876 | 29·866 | 29·834 | 29·79 |
| 24 | ·440 | ·416 | ·403 | ·412 | ·435 | ·473 | ·513 | ·552 | ·592 | ·642 | ·664 | ·672 | ·67 |
| 25 | ·489 | ·437 | ·388 | ·301 | ·248 | ·174 | ·156 | ·130 | ·116 | ·157 | ·159 | ·162 | ·15 |
| 26 | ·421 | ·444 | ·485 | ·510 | ·535 | ·556 | ·585 | ·615 | ·661 | ·678 | ·696 | ·700 | ·71 |
| 27 | ·689 | ·680 | ·647 | ·622 | ·588 | ·569 | ·566 | ·561 | ·559 | ·578 | ·595 | ·606 | ·60 |
| 28 | ·745 | ·710 | ·677 | ·636 | ·555 | ·496 | ·404 | ·336 | ·299 | ·308 | ·307 | ·305 | ·31 |
| 29 | ·365 | ·379 | ·419 | 29·465 | 29·460 | 29·493 | 29·511 | 29·516 | 29·522 | 29·509 | 29·493 | 29·471 | 29·45 |
| 30 | ·194 | ·140 | ·072 | 28·983 | 28·878 | 28·748 | 28·649 | 28·687 | 28·723 | 28·832 | 28·888 | 28·907 | 28·96 |
| 31 | 29·494 | 29·519 | 29·538 | 29·553 | 29·563 | 29·575 | 29·583 | 29·594 | 29·590 | 29·609 | 29·621 | 29·600 | 29·57 |

# DRY BULB THERMOMETER 7 FEET ABOVE GROUND.

| DAYS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 47·6 | 47·2 | 47·5 | 46·0 | 46·4 | 45·0 | 45·1 | 44·0 | 43·4 | 43·1 | 43·9 | 44·6 | 44·5 | 39·4 | 35·9 | 36·0 | 36·7 | 37·3 | 36·5 | 35·8 | 35·6 | 36·0 | 35·7 | 35·7 |
| 2 | 35·4 | 35·1 | 34·2 | 32·9 | 31·9 | 30·9 | 30·6 | 29·7 | 29·3 | 30·2 | 30·6 | 31·9 | 33·3 | 34·1 | 33·9 | 32·8 | 31·2 | 30·0 | 30·6 | 30·9 | 33·5 | 32·8 | 32·4 | 32·0 |
| 3 | 32·8 | 34·6 | 32·2 | 32·6 | 33·9 | 34·5 | 36·1 | 36·7 | 36·8 | 36·5 | 34·4 | 34·2 | 34·1 | 33·0 | 33·2 | 33·2 | 33·0 | 33·0 | 33·0 | 33·9 | 34·2 | 34·9 | 35·1 | 34·9 |
| 4 | 35·0 | 35·4 | 35·7 | 36·5 | 36·8 | 37·1 | 37·5 | 37·5 | 38·3 | 38·8 | 38·7 | 38·9 | 38·6 | 38·7 | 38·9 | 39·3 | 39·9 | 39·7 | 43·1 | 44·9 | 45·1 | 45·1 | 44·9 | 44·8 |
| 5 | 43·9 | 43·8 | 43·9 | 43·1 | 43·2 | 43·9 | 44·1 | 44·1 | 44·0 | 44·9 | 46·2 | 45·6 | 45·5 | 45·0 | 45·0 | 44·1 | 43·6 | 43·0 | 42·9 | 41·8 | 40·9 | 40·6 | 39·9 | 38·6 |
| 6 | 38·6 | 40·1 | 40·0 | 40·0 | 39·1 | 38·7 | 39·1 | 39·6 | 38·9 | 38·6 | 40·8 | 42·3 | 43·0 | 42·5 | 42·2 | 42·5 | 43·9 | 44·1 | 48·3 | 47·6 | 46·6 | 47·9 | 47·1 | 46·6 |
| 7 | 47·3 | 46·3 | 46·5 | 46·0 | 45·1 | 43·9 | 44·1 | 45·6 | 44·6 | 43·8 | 45·0 | 45·6 | 46·5 | 46·2 | 45·2 | 45·6 | 44·2 | 45·1 | 45·7 | 45·2 | 45·4 | 45·8 | 45·9 | 45·8 |
| 8 | 45·6 | 45·8 | 45·8 | 46·0 | 45·8 | 43·7 | 42·8 | 42·2 | 43·0 | 43·8 | 45·0 | 45·8 | 46·9 | 47·0 | 47·2 | 46·3 | 44·8 | 45·1 | 45·2 | 44·2 | 43·7 | 43·8 | 43·9 | 44·1 |
| 9 | 43·1 | 43·7 | 43·0 | 43·2 | 43·9 | 43·1 | 43·0 | 42·1 | 42·9 | 43·0 | 44·0 | 44·8 | 45·6 | 46·7 | 45·2 | 44·8 | 43·1 | 41·9 | 41·8 | 41·8 | 42·2 | 42·2 | 42·1 | 42·3 |
| 10 | 42·0 | 42·8 | 43·0 | 42·0 | 41·5 | 41·0 | 41·1 | 41·0 | 41·0 | 41·3 | 42·7 | 42·7 | 42·5 | 42·5 | 42·1 | 41·5 | 41·3 | 40·0 | 40·0 | 39·8 | 39·9 | 40·0 | 39·8 | 39·7 |
| 11 | 38·7 | 38·8 | 38·9 | 38·0 | 37·8 | 37·8 | 36·8 | 35·8 | 35·8 | 35·8 | 36·3 | 38·1 | 37·6 | 37·9 | 37·3 | 36·8 | 36·1 | 35·8 | 35·2 | 34·8 | 33·9 | 34·0 | 33·8 | 32·8 |
| 12 | 32·0 | 31·2 | 30·9 | 30·0 | 30·6 | 30·9 | 30·6 | 30·8 | 31·1 | 31·7 | 32·8 | 34·2 | 34·8 | 35·5 | 35·0 | 32·1 | 32·8 | 32·6 | 32·6 | 32·7 | 32·6 | 32·8 | 32·8 | 32·2 |
| 13 | 32·2 | 32·4 | 32·0 | 32·7 | 33·0 | 33·0 | 33·3 | 33·2 | 33·7 | 33·8 | 34·2 | 34·6 | 36·1 | 36·0 | 36·6 | 36·2 | 36·8 | 36·9 | 36·8 | 37·0 | 37·2 | 37·9 | 38·6 | 39·1 |
| 14 | 39·7 | 39·8 | 40·1 | 40·3 | 40·8 | 41·1 | 41·3 | 41·2 | 42·0 | 42·9 | 43·6 | 44·0 | 44·6 | 46·0 | 46·0 | 46·8 | 46·6 | 42·5 | 42·2 | 42·1 | 42·5 | 42·2 | 42·0 | 41·5 |
| 15 | 41·3 | 41·1 | 40·8 | 40·9 | 40·9 | 40·2 | 39·7 | 39·9 | 38·9 | 39·9 | 41·7 | 41·5 | 41·7 | 41·8 | 41·1 | 40·2 | 38·1 | 37·1 | 38·5 | 39·8 | 40·2 | 40·6 | 41·3 | 42·0 |
| 16 | 42·1 | 42·9 | 43·8 | 44·0 | 44·1 | 44·6 | 44·0 | 43·8 | 43·0 | 42·1 | 42·9 | 43·8 | 44·6 | 44·9 | 45·2 | 46·2 | 46·6 | 47·5 | 47·3 | 47·0 | 47·9 | 48·1 | 48·2 | 48·0 |
| 17 | 48·2 | 48·9 | 49·0 | 47·3 | 45·2 | 43·3 | 43·0 | 42·1 | 41·9 | 41·7 | 42·1 | 42·9 | 43·0 | 43·3 | 43·2 | 42·8 | 42·1 | 41·5 | 42·1 | 42·9 | 43·3 | 42·6 | 42·1 | 41·2 |
| 18 | 41·0 | 38·6 | 38·8 | 38·2 | 38·1 | 38·8 | 39·9 | 40·6 | 41·7 | 42·6 | 44·8 | 45·1 | 46·1 | 47·5 | 47·3 | 47·9 | 48·0 | 48·0 | 46·5 | 46·0 | 45·6 | 45·6 | 46·1 | 46·5 |
| 19 | 49·9 | 50·2 | 50·5 | 50·6 | 50·6 | 51·0 | 51·3 | 51·7 | 52·6 | 53·4 | * | †53·9 | 52·0 | 52·3 | 51·4 | 50·3 | 48·8 | 47·0 | 45·8 | 43·0 | 42·2 | 42·1 | 42·2 | 42·1 |
| 20 | 41·5 | 41·4 | 39·8 | 40·1 | 38·1 | 36·9 | 37·3 | 37·0 | 37·0 | 39·3 | 41·8 | 43·6 | 44·2 | 43·9 | 44·0 | 42·5 | 39·0 | 38·0 | 37·2 | 37·3 | 37·3 | 38·1 | 37·9 | 37·3 |
| 21 | 36·1 | 38·0 | 37·1 | 36·8 | 37·9 | 38·7 | 39·2 | 37·8 | 39·9 | 42·1 | 43·5 | 44·7 | 45·5 | 46·0 | 46·0 | 44·8 | 44·2 | 43·5 | 44·1 | 43·1 | 42·9 | 42·3 | 41·9 | 41·4 |
| 22 | 41·7 | 41·5 | 41·0 | 41·1 | 40·2 | 40·2 | 40·2 | 40·3 | 40·2 | 40·9 | 41·7 | 43·9 | 44·4 | 45·0 | 44·3 | 42·0 | 41·9 | 40·0 | 38·9 | 38·3 | 37·5 | 37·0 | 36·9 | 36·1 |
| 23 | 37·0 | 38·0 | 38·2 | 38·4 | 37·6 | 38·0 | 37·4 | 38·0 | 39·1 | 39·8 | 40·3 | 42·8 | 42·7 | 44·0 | 44·0 | 43·4 | 43·3 | 43·9 | 44·1 | 43·9 | 43·0 | 42·3 | 42·0 | 42·0 |
| 24 | 40·3 | 41·2 | 41·4 | 43·0 | 42·0 | 41·1 | 40·0 | 39·9 | 38·3 | 38·8 | 40·1 | 42·1 | 41·5 | 41·4 | 41·3 | 39·8 | 37·4 | 36·9 | 36·9 | 37·1 | 37·2 | 37·9 | 37·2 | 40·6 |
| 25 | 40·9 | 40·6 | 37·2 | 38·1 | 38·7 | 39·4 | 40·3 | 41·4 | 43·9 | 43·4 | 41·9 | 43·2 | 44·0 | 43·8 | 42·3 | 41·0 | 40·2 | 37·6 | 37·3 | 38·2 | 38·4 | 38·3 | 38·0 | 37·8 |
| 26 | 37·7 | 37·6 | 37·0 | 37·1 | 36·8 | 35·4 | 36·0 | 36·0 | 37·0 | 38·0 | 39·8 | 40·0 | 40·8 | 41·2 | 41·1 | 40·5 | 39·5 | 37·0 | 36·1 | 35·2 | 36·2 | 37·0 | 36·8 | 37·4 |
| 27 | 37·5 | 36·8 | 36·5 | 36·8 | 37·6 | 38·0 | 38·4 | 40·5 | 41·9 | 43·5 | 45·9 | 47·8 | 47·0 | 47·0 | 46·2 | 44·9 | 43·3 | 42·7 | 42·3 | 41·3 | 39·5 | 40·5 | 38·1 | 37·9 |
| 28 | 38·8 | 38·9 | 38·1 | 38·3 | 40·8 | 40·0 | 40·8 | 42·0 | 42·2 | 44·0 | 42·9 | 44·8 | 40·6 | 43·2 | 42·3 | 40·1 | 36·9 | 36·9 | 36·0 | 36·6 | 37·6 | 37·7 | 36·9 | 35·0 |
| 29 | 35·5 | 36·5 | 37·1 | 35·5 | 37·3 | 35·1 | 36·6 | 37·0 | 38·2 | 39·0 | 40·0 | 39·9 | 38·0 | 37·2 | 37·0 | 41·2 | 41·9 | 41·1 | 41·2 | 44·8 | 45·5 | 45·6 | 45·5 | 44·1 |
| 30 | 44·9 | 46·0 | 46·1 | 46·2 | 44·0 | 43·8 | 45·0 | 43·0 | 39·2 | 40·3 | 40·9 | 39·0 | 35·8 | 38·0 | 40·3 | 39·9 | 39·3 | 38·5 | 38·8 | 38·0 | 37·8 | 37·7 | 37·2 | 37·3 |
| 31 | 37·2 | 37·1 | 37·0 | 38·2 | 38·0 | 38·3 | 38·3 | 38·2 | 39·2 | 38·6 | 40·1 | 41·8 | 42·3 | 41·9 | 40·3 | 38·7 | 38·2 | 36·8 | 36·8 | 36·3 | 37·9 | 38·1 | 38·0 | 38·3 |

*Record defective or Instrument out of action. †Reading of Standard.

# HOURLY VALUES *January* 1877.

CISTERN 361 FEET ABOVE MEAN SEA LEVEL.

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ·462 | 28·606 | 28·571 | 28·611 | 28·663 | 28·719 | 28·779 | 28·819 | 28·874 | 28·910 | 28·958 | 1 |
| ·331 | 29·343 | 29·347 | 29·355 | 29·367 | 29·369 | 29·358 | 29·366 | 29·362 | 29·350 | 29·341 | 2 |
| ·047 | 29·027 | 29·001 | 28·983 | 28·951 | 28·952 | 28·946 | 28·896 | 28·871 | 28·860 | 28·846 | 3 |
| ·646 | 28·640 | 28·634 | ·626 | ·609 | ·606 | ·595 | ·597 | ·588 | ·586 | ·590 | 4 |
| ·684 | ·689 | ·688 | ·687 | ·678 | ·680 | ·678 | ·678 | ·684 | ·680 | ·686 | 5 |
| ·637 | ·586 | ·531 | ·477 | ·439 | ·436 | ·427 | ·441 | ·413 | ·397 | ·376 | 6 |
| ·605 | ·617 | ·635 | 28·648 | 28·649 | ·672 | 28·696 | 28·715 | 28·736 | 28·758 | 28·791 | 7 |
| ·966 | 28·969 | 28·986 | 29·001 | 29·000 | 28·996 | 29·015 | 29·014 | 29·039 | 29·050 | 29·059 | 8 |
| ·374 | 29·398 | 29·443 | ·474 | ·503 | 29·541 | ·556 | ·563 | ·590 | ·605 | ·603 | 9 |
| ·638 | ·642 | ·633 | ·634 | ·618 | ·614 | ·607 | ·618 | ·606 | ·591 | ·569 | 10 |
| ·440 | ·433 | ·438 | ·429 | ·428 | ·423 | ·423 | ·425 | ·417 | ·411 | ·399 | 11 |
| ·402 | ·444 | ·456 | ·480 | ·512 | ·526 | ·552 | ·560 | ·568 | ·587 | ·582 | 12 |
| ·566 | ·560 | ·558 | ·557 | ·555 | ·544 | ·537 | ·531 | ·521 | ·512 | ·492 | 13 |
| ·074 | ·052 | ·033 | ·039 | ·095 | ·133 | ·168 | ·180 | ·204 | ·233 | ·261 | 14 |
| ·580 | ·570 | ·568 | ·574 | ·569 | ·562 | ·550 | ·538 | ·529 | ·516 | ·534 | 15 |
| ·465 | ·455 | ·449 | ·445 | ·440 | ·438 | ·434 | ·424 | ·415 | ·402 | ·378 | 16 |
| ·321 | ·332 | ·333 | ·341 | ·344 | ·352 | ·366 | ·358 | ·353 | ·366 | ·367 | 17 |
| ·121 | ·107 | ·108 | ·110 | ·140 | ·155 | ·159 | ·146 | ·152 | ·148 | ·132 | 18 |
| ·087 | ·108 | ·102 | ·158 | 29·200 | 29·264 | 29·387 | 29·461 | 29·535 | 29·581 | 29·621 | 19 |
| 9·942 | 29·962 | 29·986 | 29·998 | 30·020 | 30·030 | 30·054 | 30·062 | 30·068 | 30·080 | 30·086 | 20 |
| 0·085 | 30·083 | 30·080 | 30·085 | ·098 | ·093 | ·091 | ·092 | ·103 | ·109 | ·104 | 21 |
| 0·103 | 30·098 | 30·080 | 30·071 | 30·072 | 30·071 | 30·064 | 30·061 | 30·042 | 30·036 | 30·016 | 22 |
| 9·770 | 29·725 | 29·701 | 29·680 | 29·644 | 29·614 | 29·591 | 29·584 | 29·556 | 29·516 | 29·469 | 23 |
| ·685 | ·680 | ·689 | ·702 | ·696 | ·696 | ·689 | ·672 | ·625 | ·608 | ·558 | 24 |
| ·177 | ·201 | ·216 | ·234 | ·261 | ·289 | ·316 | ·333 | ·359 | ·367 | ·393 | 25 |
| ·725 | ·724 | ·728 | ·750 | ·756 | ·759 | ·760 | ·752 | ·736 | ·731 | ·715 | 26 |
| ·613 | ·695 | ·679 | ·701 | ·723 | ·742 | ·764 | ·760 | ·723 | ·705 | ·745 | 27 |
| ·317 | ·332 | ·321 | ·336 | ·340 | ·347 | ·343 | ·326 | ·315 | ·316 | ·331 | 28 |
| ·402 | ·370 | ·375 | ·373 | ·372 | ·349 | ·324 | ·318 | ·299 | ·272 | ·238 | 29 |
| ·007 | ·060 | ·140 | ·200 | ·260 | ·305 | ·340 | ·369 | ·403 | ·434 | ·461 | 30 |
| 9·569 | 29·557 | 29·536 | 29·510 | 29·480 | 29·454 | 29·422 | 29·406 | 29·398 | 29·391 | 29·396 | 31 |

# WET BULB THERMOMETER 7 FEET ABOVE GROUND.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45·3 | 44·5 | 44·7 | 43·9 | 44·0 | 43·1 | 43·2 | 43·2 | 42·7 | 42·5 | 42·8 | 43·8 | 43·8 | 38·7 | 35·1 | 35·0 | 35·4 | 35·6 | 34·8 | 33·2 | 32·7 | 32·2 | 32·2 | 31·6 | 1 |
| 31·5 | 31·6 | 30·8 | 29·0 | 29·0 | 27·8 | 27·0 | 26·5 | 26·5 | * | 27·9 | 28·8 | * | * | 31·1 | 30·8 | 28·1 | 27·4 | 27·9 | 28·3 | 30·1 | * | 29·2 | 29·7 | 2 |
| 30·4 | 32·1 | 31·0 | 31·4 | 32·6 | 32·9 | 34·9 | 33·3 | 33·6 | 33·8 | 32·4 | 32·5 | 32·7 | 32·4 | 32·6 | 32·5 | 32·6 | 32·5 | 32·8 | 33·0 | 33·4 | 33·9 | 34·2 | 34·2 | 3 |
| 34·5 | 34·9 | 35·1 | 35·8 | 36·0 | 36·3 | 36·6 | 36·7 | 37·5 | 38·2 | 38·5 | 38·4 | 38·2 | 38·3 | 38·5 | 38·9 | 39·1 | 39·1 | 42·5 | 44·0 | 44·0 | 44·1 | 43·9 | 43·6 | 4 |
| 43·0 | 43·0 | 42·9 | 42·1 | 42·8 | 42·4 | 43·7 | 43·2 | 42·9 | 43·3 | 43·8 | 43·2 | 43·2 | 43·0 | 43·3 | 42·8 | 42·8 | 42·3 | 42·2 | 40·6 | 39·9 | 40·0 | 39·3 | 37·9 | 5 |
| 37·7 | 38·9 | 39·6 | 39·6 | 38·7 | 39·1 | 38·7 | 38·3 | 37·7 | 38·2 | 39·1 | 40·5 | 41·2 | 41·7 | 41·3 | 41·6 | 42·9 | 47·0 | 46·7 | 46·2 | 44·9 | 45·8 | 44·8 | 45·1 | 6 |
| 45·0 | 44·2 | 43·8 | 42·9 | 42·6 | 42·1 | 42·5 | 43·5 | 43·2 | 42·6 | 43·1 | 43·0 | 43·9 | 43·0 | 43·0 | 43·2 | 42·1 | 43·0 | 43·0 | 43·0 | 43·0 | 43·0 | 43·7 | 43·9 | 7 |
| 43·0 | 43·3 | 43·8 | 43·7 | 43·6 | 42·0 | 41·4 | 41·1 | 42·8 | 42·3 | 42·9 | 43·6 | 44·9 | 45·0 | 45·2 | 44·9 | 43·8 | 44·0 | 44·2 | 43·6 | 42·9 | 42·8 | 42·5 | 42·8 | 8 |
| 42·0 | 42·6 | 42·3 | 42·3 | 42·0 | 42·2 | 42·2 | 41·7 | 42·2 | 42·5 | 43·6 | 44·2 | 45·0 | 45·5 | 44·8 | 43·8 | 42·3 | 40·8 | 40·4 | 40·3 | 40·5 | 40·5 | 40·3 | 40·6 | 9 |
| 40·8 | 41·1 | 41·5 | 40·8 | 40·3 | 40·2 | 40·3 | 40·5 | 40·5 | 40·6 | 41·7 | 41·7 | 41·5 | 40·9 | 40·6 | 40·9 | 39·3 | 38·2 | 38·2 | 38·1 | 38·1 | 38·1 | 37·8 | 37·1 | 10 |
| 36·2 | 36·3 | 36·2 | 35·5 | 35·2 | 34·8 | 34·0 | 33·4 | 33·2 | 33·0 | 33·1 | 34·1 | 33·8 | 34·0 | 33·9 | 33·9 | 33·6 | 34·0 | 33·8 | 33·3 | 32·9 | 32·3 | 32·3 | 31·5 | 11 |
| 31·0 | 30·8 | 29·6 | 29·2 | 29·8 | 29·8 | 29·2 | 29·8 | 29·8 | 29·9 | 31·0 | 31·8 | 32·8 | 33·5 | 33·8 | 32·8 | 32·2 | 32·1 | 32·1 | 32·1 | 32·0 | 32·0 | 32·1 | * | 12 |
| --- | --- | --- | * | --- | --- | --- | 32·2 | 32·8 | 32·8 | 33·2 | 33·4 | 34·5 | 34·4 | 34·9 | 35·0 | 34·9 | 35·2 | 35·7 | 36·0 | 36·8 | 37·0 | 37·8 | 38·0 | 13 |
| 38·6 | 39·0 | 39·4 | 39·8 | 40·1 | 40·6 | 40·9 | 40·9 | 41·1 | 42·1 | 42·2 | 42·7 | 43·6 | 44·5 | 46·1 | 46·0 | 46·1 | 40·2 | 41·0 | 41·0 | 41·1 | 40·2 | 40·0 | 39·2 | 14 |
| 39·1 | 38·9 | 38·9 | 38·5 | 38·1 | 38·3 | 37·6 | 37·6 | 37·5 | 37·9 | 39·1 | 38·8 | 39·5 | 39·1 | 39·0 | 37·9 | 36·8 | 36·2 | 37·1 | 38·0 | 39·1 | 39·9 | 40·4 | 41·0 | 15 |
| 41·3 | 42·2 | 43·2 | 43·2 | 43·0 | 43·0 | 42·9 | 42·3 | 41·5 | 41·0 | 41·1 | 42·0 | 43·0 | 43·1 | 44·0 | 44·9 | 45·1 | 46·0 | 46·0 | 46·5 | 46·9 | 47·0 | 47·5 | 47·8 | 16 |
| 48·0 | 48·0 | 48·0 | 46·8 | 44·8 | 43·1 | 42·5 | 41·8 | 41·5 | 41·2 | 41·5 | 42·1 | 42·2 | 42·5 | 42·2 | 42·0 | 41·3 | 40·5 | 40·9 | 41·5 | 42·5 | 41·5 | 41·0 | 40·6 | 17 |
| 40·0 | 38·0 | 37·9 | 37·8 | 37·7 | 37·2 | 38·3 | 39·0 | 40·0 | 40·9 | 42·6 | 43·2 | 44·2 | 45·6 | 46·0 | 46·3 | 47·0 | 47·2 | 46·2 | 45·8 | 45·2 | 45·2 | 46·0 | 46·2 | 18 |
| 49·0 | 49·4 | 49·9 | 50·0 | 50·0 | 50·2 | 50·7 | 50·9 | 51·2 | 51·8 | 52·0 | 52·0 | 51·9 | 50·0 | 46·2 | 44·3 | 43·7 | 44·0 | 44·7 | 41·2 | 40·0 | 40·1 | 40·2 | 40·7 | 19 |
| 40·4 | 40·2 | 38·8 | 39·0 | 37·0 | 35·8 | 35·9 | 35·2 | 35·2 | 37·0 | 39·0 | 40·5 | 41·2 | 40·9 | 41·0 | 40·1 | 37·2 | 36·2 | 35·8 | 36·0 | 36·1 | 36·7 | 36·4 | 36·1 | 20 |
| 35·0 | 36·3 | 35·7 | 35·5 | 36·1 | 37·1 | 37·8 | 36·8 | 37·8 | 39·9 | 41·0 | 41·8 | 42·5 | 42·8 | 43·1 | 43·3 | 42·0 | 41·1 | 40·9 | 40·9 | 41·2 | 41·2 | 40·9 | 40·2 | 21 |
| 40·1 | 40·0 | 39·5 | 39·6 | 38·9 | 39·0 | 39·1 | 38·9 | 39·1 | 39·4 | 40·3 | 41·6 | 41·9 | 42·0 | 41·0 | 39·8 | 39·2 | 36·9 | 35·8 | 35·1 | 34·9 | 34·8 | 34·4 | 34·1 | 22 |
| 35·0 | 36·2 | 35·8 | 35·8 | 35·1 | 35·3 | 35·0 | 35·2 | 36·2 | 36·9 | 36·1 | 38·5 | 38·2 | 38·9 | 38·2 | 37·2 | 37·1 | 37·2 | 37·1 | 37·1 | 37·1 | 36·9 | 36·9 | 37·2 | 23 |
| 37·9 | 39·0 | 39·8 | 41·2 | 40·0 | 39·7 | 38·9 | 38·8 | 37·1 | 37·5 | 38·1 | 39·2 | 38·2 | 37·4 | 37·1 | 36·2 | 35·0 | 34·0 | 34·1 | 34·2 | 34·2 | 34·6 | 34·6 | 35·1 | 24 |
| 35·2 | 35·3 | 35·8 | 36·5 | 37·0 | 38·0 | 39·3 | 40·9 | 42·7 | 42·9 | 40·9 | 42·7 | 41·8 | 41·0 | 39·4 | 38·0 | 37·1 | 35·0 | 35·3 | 35·9 | 36·0 | 36·0 | 35·5 | 35·6 | 25 |
| 36·4 | 35·6 | 35·0 | 36·0 | 34·3 | 34·0 | 34·2 | 34·0 | 35·0 | 36·0 | 36·7 | 37·0 | 38·0 | 37·4 | 37·9 | 37·9 | 36·9 | 35·3 | 35·0 | 34·1 | 35·1 | 36·9 | 35·2 | 35·3 | 26 |
| 35·2 | 35·3 | 35·2 | 35·8 | 36·9 | 37·2 | 38·0 | 39·0 | 41·8 | 43·0 | 45·8 | 45·0 | 44·9 | 44·2 | 43·4 | 42·2 | 41·0 | 40·6 | 40·0 | 40·0 | 38·5 | 38·8 | 37·0 | 37·2 | 27 |
| 37·5 | 36·9 | 36·2 | 37·1 | 38·5 | 38·6 | 38·9 | 40·0 | 41·4 | 43·7 | 42·2 | 43·0 | 39·0 | 39·8 | 38·8 | 36·0 | 35·0 | 35·0 | 34·0 | 34·9 | 34·5 | 34·8 | 33·0 | 32·8 | 28 |
| 32·9 | 33·1 | 34·3 | 34·9 | 34·0 | 33·9 | 33·9 | 34·2 | 35·0 | 35·9 | 37·5 | 38·5 | 36·4 | 36·6 | 36·0 | 40·3 | 40·5 | 40·6 | 41·0 | 44·0 | 43·9 | 43·3 | 43·1 | 42·9 | 29 |
| 42·9 | 42·9 | 42·9 | 42·2 | 42·2 | 42·7 | 43·3 | 39·8 | 37·2 | 36·0 | 36·9 | 36·1 | 34·1 | 35·9 | 36·0 | 35·5 | 35·9 | 33·7 | 35·0 | 34·8 | 35·1 | 35·0 | 35·0 | 35·5 | 30 |
| 36·0 | 36·0 | 36·0 | 36·9 | 36·8 | 37·1 | 37·1 | 37·0 | 38·0 | 37·9 | 39·0 | 40·6 | 41·1 | 40·3 | 38·7 | 37·3 | 37·0 | 35·8 | 35·6 | 35·7 | 37·1 | 37·5 | 37·6 | 37·9 | 31 |

*Meteorological Office,*
*116, Victoria Street, Westminster. S.W.*

ROBERT H. SCOTT, Director.

# STONYHURST OBSERVATORY LAT: 53.51'N. LONG: 2°.28' W.

## WIND

DIRECTION IN NUMBERS { 8 – E 24 – W / 16 – S 32 – N }

| DAYS | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | NOON | | 1 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V |
| 1 | 17 | 15 | 18 | 21 | 18 | 22 | 18 | 17 | 17 | 22 | 17 | 8·5 | 17 | 2 | 17 | 2 | 4 | 4·5 | 4 | 5·5 | 4 | 5·5 | 27 | 9·5 | 26 | 4 |
| 2 | 3 | 14 | 3 | 9·5 | 3 | 9·5 | 2 | 4·5 | 11 | 3 | 8 | 4 | 7 | 3 | 8 | 3 | 8 | 3 | 5 | 4 | 5 | 5·5 | 5 | 4·5 | 5 | 5·5 |
| 3 | 3 | 11 | 7 | 13 | 4 | 10·5 | 5 | 8·5 | 7 | 11 | 4 | 11 | 7 | 14 | 7 | 15 | 8 | 16 | 8 | 21 | 6 | 18 | 8 | 22 | 8 | 23 |
| 4 | 4 | 12 | 3 | 10·5 | 3 | 11 | 3 | 9·5 | 4 | 6·5 | 4 | 6·5 | 4 | 8·5 | 4 | 7·5 | 3 | 6·5 | 3 | 4·5 | 4 | 6·5 | 4 | 6·5 | 4 | 6·5 |
| 5 | 18 | 7·5 | 20 | 4·5 | 20 | 9·5 | 20 | 10·5 | 20 | 7·5 | 21 | 11 | 21 | 10·5 | 22 | 10·5 | 20 | 10·5 | 21 | 11 | 20 | 15 | 20 | 13 | 20 | 12 |
| 6 | 20 | 2 | 17 | 4·5 | 21 | 6·5 | 23 | 11 | 22 | 4·5 | 22 | 6·5 | 23 | 6·5 | 21 | 6·5 | 22 | 6·5 | 20 | 4 | 17 | 8·5 | 16 | 11 | 12 | 10·5 |
| 7 | 19 | 32 | 19 | 22 | 19 | 20 | 18 | 22 | 17 | 21 | 17 | 22 | 17 | 22 | 17 | 24 | 17 | 22 | 19 | 20 | 18 | 24 | 17 | 26 | 19 | 28 |
| 8 | 20 | 25 | 20 | 21 | 19 | 10 | 18 | 32 | 18 | 17 | 18 | 12 | 19 | 11 | 19 | 14 | 18 | 14 | 19 | 8·5 | 17 | 8·5 | 17 | 5·5 | 17 | 7·5 |
| 9 | 23 | 4 | 22 | 6·5 | 21 | 6·5 | 23 | 8·5 | 23 | 7·5 | 23 | 6·5 | 23 | 5·5 | 23 | 3 | 23 | 4 | 23 | 2 | 23 | 2 | 23 | 1·5 | 23 | 2 |
| 10 | 8 | 7·5 | 8 | 5·5 | 6 | 6·5 | 4 | 4 | 4 | 5·5 | 4 | 5·5 | 4 | 5·5 | 4 | 4·5 | 3 | 4 | 2 | 6·5 | 6 | 8·5 | 5 | 8·5 | 4 | 10·5 |
| 11 | 5 | 14 | 6 | 13 | 6 | 15 | 6 | 12 | 7 | 12 | 7 | 12 | 6 | 9·5 | 7 | 6·5 | 6 | 6·5 | 6 | 7·5 | 5 | 7·5 | 6 | 10·5 | 4 | 8·5 |
| 12 | 4 | 2 | 4 | 1·5 | 4 | 2 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4·5 | 4 | 4·5 | 4 | 5·5 | 4 | 4·5 | 4 | 5·5 | 4 | 4·5 | 4 | 4 |
| 13 | 4 | 4·5 | 4 | 2 | 4 | 2 | 4 | 1·5 | 4 | 1·5 | 4 | 1·5 | 4 | 2 | 4 | 2 | 4 | 4·5 | 4 | 4 | 12 | 5·5 | 16 | 6·5 | 13 | 2 |
| 14 | 14 | 9·5 | 14 | 7·5 | 16 | 4·5 | 16 | 4·5 | 12 | 3 | 14 | 8·5 | 8 | 4 | 5 | 4·5 | 14 | 15 | 15 | 23 | 12 | 14 | 14 | 20 | 14 | 21 |
| 15 | 25 | 23 | 25 | 20 | 25 | 18 | 26 | 19 | 26 | 15 | 26 | 16 | 26 | 15 | 24 | 13 | 24 | 13 | 25 | 13 | 24 | 12 | 24 | 13 | 21 | 7·5 |
| 16 | 20 | 6·5 | 23 | 4·5 | 20 | 9·5 | 20 | 9·5 | 19 | 10·5 | 19 | 13 | 19 | 12 | 19 | 11 | 19 | 8·5 | 18 | 8·5 | 17 | 11 | 18 | 12 | 17 | 15 |
| 17 | 17 | 18 | 16 | 25 | 16 | 24 | 22 | 8·5 | 20 | 7·5 | 19 | 5·5 | 19 | 4·5 | 21 | 4 | 22 | 4 | 22 | 4·5 | 22 | 5·5 | 22 | 5·5 | 20 | 4 |
| 18 | 18 | 3 | 16 | 5·5 | 16 | 10·5 | 17 | 9 | 16 | 17 | 16 | 13 | 16 | 22 | 15 | 26 | 15 | 29 | 16 | 29 | 16 | 30 | 16 | 33 | 16 | 31 |
| 19 | 17 | 16 | 16 | 26 | 16 | 24 | 16 | 27 | 16 | 25 | 16 | 28 | 16 | 29 | 16 | 34 | 16 | 33 | 16 | 31 | 16 | 29 | 16 | 32 | 20 | 24 |
| 20 | 21 | 11 | 22 | 11 | 23 | 8·5 | 23 | 8·5 | 22 | 7·5 | 22 | 8·5 | 23 | 10·5 | 23 | 6·5 | 23 | 5·5 | 23 | 7·5 | 22 | 8·5 | 20 | 13 | 22 | 13 |
| 21 | 21 | 5·5 | 21 | 5·5 | 20 | 5·5 | 19 | 7·5 | 19 | 6·5 | 20 | 6·5 | 20 | 10·5 | 19 | 12 | 20 | 10·5 | 20 | 9·5 | 19 | 11 | 20 | 14 | 19 | 10 |
| 22 | 21 | 10·5 | 21 | 7·5 | 22 | 9·5 | 23 | 8·5 | 23 | 9·5 | 23 | 2 | 23 | 1·5 | 22 | 4 | 19 | 1·5 | 19 | 3 | 19 | 1·5 | 19 | 3 | 17 | 5·5 |
| 23 | 16 | 7·5 | 16 | 7·5 | 17 | 4·5 | 19 | 8·5 | 18 | 11 | 18 | 8·5 | 17 | 10·5 | 16 | 19 | 18 | 12 | 17 | 7·5 | 18 | 5·5 | 17 | 14 | 17 | 14 |
| 24 | 16 | 32 | 16 | 36 | 16 | 33 | 19 | 23 | 21 | 23 | 23 | 22 | 22 | 20 | 22 | 14 | 21 | 19 | 24 | 16 | 23 | 18 | 24 | 20 | 23 | 19 |
| 25 | 15 | 20 | 16 | 30 | 15 | 32 | 14 | 39 | 15 | 44 | 15 | 40 | 15 | 43 | 16 | 40 | 18 | 28 | 23 | 17 | 23 | 6 | 22 | 9·5 | 24 | 19 |
| 26 | 26 | 15 | 26 | 19 | 26 | 20 | 26 | 18 | 27 | 15 | 27 | 14 | 26 | 15 | 26 | 18 | 26 | 17 | 26 | 14 | 27 | 18 | 27 | 19 | 27 | 13 |
| 27 | 19 | 7·5 | 19 | 5·5 | 18 | 10·5 | 20 | 6·5 | 18 | 13 | 19 | 11 | 18 | 8·5 | 19 | 7·5 | 21 | 9·5 | 22 | 10·5 | 23 | 12 | 23 | 20 | 24 | 24 |
| 28 | 22 | 5·5 | 21 | 4 | 21 | 6·5 | 7 | 7·5 | 17 | 22 | 15 | 26 | 16 | 27 | 16 | 39 | 16 | 35 | 17 | 33 | 20 | 11 | 20 | 16 | 24 | 25 |
| 29 | 23 | 30 | 23 | 31 | 23 | 35 | 23 | 28 | 23 | 32 | 24 | 26 | 23 | 25 | 22 | 24 | 22 | 24 | 22 | 25 | 22 | 25 | 22 | 26 | 23 | 27 |
| 30 | 22 | 31 | 22 | 32 | 21 | 30 | 20 | 32 | 20 | 27 | 20 | 29 | 20 | 36 | 24 | 42 | 26 | 42 | 27 | 36 | 27 | 41 | 25 | 35 | 26 | 33 |
| 31 | 24 | 9·5 | 24 | 11 | 22 | 10·5 | 21 | 9·5 | 24 | 14 | 25 | 14 | 25 | 14 | 23 | 10·5 | 25 | 9·5 | 21 | 4 | 19 | 4·5 | 22 | 6·5 | 22 | 9·5 |

## RAINFALL

GAUGE { HEIGHT ABOVE GROUND 2 FEET / HEIGHT ABOVE MEAN SEA LEVEL 377 FEET.

| DAYS. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | – | – | – | – | – | ·010 | – | ·050 | ·120 | ·050 | ·030 | ·030 | ·060 | ·190 | ·090 | ·080 | ·020 | – | – | – | – | – | – | – |
| 2 | – | – | – | – | – | ·005 | ·005 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 3 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | ·020 | ·084 | ·060 | ·046 | ·070 | ·100 |
| 4 | ·160 | ·190 | ·080 | ·084 | ·032 | ·025 | ·030 | ·030 | ·025 | ·040 | ·020 | – | – | – | – | – | – | ·055 | – | – | – | – | ·035 | – |
| 5 | – | ·025 | ·005 | ·035 | ·010 | ·065 | – | – | ·005 | – | – | – | – | – | – | ·020 | ·080 | ·085 | ·065 | ·068 | ·002 | – | – | – |
| 6 | – | ·025 | ·050 | ·040 | – | – | – | – | ·005 | ·005 | – | – | – | – | – | ·050 | ·080 | ·010 | – | – | – | ·015 | – | ·015 |
| 7 | ·015 | – | – | – | – | – | – | – | – | ·060 | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 8 | – | – | – | – | – | – | – | ·020 | – | ·005 | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 9 | – | – | ·010 | – | – | – | – | – | ·005 | ·005 | ·070 | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 10 | – | – | – | – | – | ·005 | ·005 | ·015 | ·005 | ·005 | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 11 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 12 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | ·005 | ·010 | ·005 | – | ·005 | — | — | Snow | — | — |
| 13 | – | Snow, measured at 10 a.m. = | | | | | | | | ·210 | – | – | – | – | – | – | – | – | – | ·010 | ·020 | ·025 | ·015 | ·020 |
| 14 | ·005 | ·047 | ·010 | – | – | – | ·005 | ·005 | – | – | – | – | ·035 | ·020 | ·070 | ·075 | ·230 | ·025 | ·010 | ·020 | – | – | – | – |
| 15 | – | – | – | ·020 | – | – | – | – | – | – | – | – | – | – | – | – | ·005 | ·035 | – | – | ·020 | ·020 | ·030 | – |
| 16 | – | ·010 | ·025 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | ·010 |
| 17 | ·030 | ·035 | ·002 | ·020 | ·020 | ·015 | ·010 | ·010 | ·005 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 18 | – | – | – | ·005 | – | – | ·005 | – | – | – | – | – | – | – | – | – | ·005 | ·045 | ·065 | ·035 | ·050 | ·010 | ·040 | ·045 |
| 19 | ·030 | ·030 | ·010 | ·025 | ·040 | ·020 | ·020 | ·010 | – | – | – | – | ·140 | ·010 | – | – | – | – | ·045 | – | – | – | – | ·005 |
| 20 | – | – | – | – | – | – | – | – | ·008 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 21 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | ·020 | ·010 |
| 22 | – | – | – | – | – | – | – | ·004 | ·003 | ·003 | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 23 | – | – | – | – | – | – | – | – | – | – | ·008 | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 24 | ·020 | ·020 | ·005 | ·005 | – | ·010 | ·030 | ·005 | ·100 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 25 | – | – | – | ·020 | ·005 | ·010 | ·010 | ·015 | ·020 | ·100 | ·070 | ·015 | ·002 | – | – | – | – | – | – | – | – | – | – | – |
| 26 | – | – | ·015 | – | ·005 | ·025 | ·005 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 27 | – | – | – | ·030 | ·005 | ·005 | ·030 | ·025 | ·035 | ·010 | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 28 | – | – | – | – | – | ·005 | ·040 | ·020 | ·080 | ·080 | ·060 | – | ·025 | – | – | ·005 | ·020 | ·060 | ·010 | ·020 | ·020 | ·010 | – | – |
| 29 | – | – | – | – | – | – | ·040 | ·010 | – | – | – | ·040 | ·110 | ·120 | ·110 | ·020 | ·050 | ·110 | ·140 | ·025 | – | – | – | ·010 |
| 30 | ·010 | – | – | – | ·035 | ·075 | ·085 | ·030 | ·030 | ·005 | – | – | ·020 | ·070 | – | – | – | – | – | – | – | – | – | – |
| 31 | – | – | – | – | – | ·005 | ·005 | – | – | – | – | – | – | – | ·010 | ·030 | ·030 | ·060 | ·030 | ·075 | ·060 | ·065 | ·080 | ·070 |

* Record defective or Instrument out of action. † Obtained from reading of Standard ‡ Approximate.

# HOURLY VALUES *January* 1877.

## AND VELOCITY IN MILES PER HOUR

| 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | MIDT | | DAYS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V | | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | |
| 15 | | 4 | 14 | 4 | 12 | 4 | 9·5 | 5 | 11 | 5 | 16 | 4 | 19 | 4 | 13 | 4 | 11 | 3 | 11 | 3 | 9·5 | 1 |
| 4 | | 5 | 4·5 | 5 | 5·5 | 4 | 6·5 | 4 | 7·5 | 3 | 7·5 | 4 | 4 | 5 | 7·5 | 4 | 10·5 | 6 | 8·5 | 4 | 5·5 | 2 |
| 19 | | 6 | 16 | 5 | 18 | 5 | 14 | 3 | 20 | 4 | 19 | 6 | 20 | 6 | 16 | 6 | 13 | 4 | 13 | 4 | 14 | 3 |
| 7·5 | | 4 | 6·5 | 4 | 6·5 | 4 | 6·5 | 4 | 4·5 | 12 | 4·5 | 17 | 12 | 18 | 14 | 18 | 15 | 19 | 13 | 20 | 6·5 | 4 |
| 10 | | 18 | 12 | 18 | 11 | 17 | 3 | 17 | 2 | 17 | 4 | 28 | 3 | 28 | 2 | 28 | 1·5 | 28 | 1·5 | 28 | 2 | 5 |
| 9·5 | | 11 | 11 | 11 | 14 | 12 | 19 | 16 | 36 | 16 | 40 | 17 | 34 | 17 | 22 | 17 | 25 | 17 | 26 | 17 | 26 | 6 |
| 23 | | 18 | 18 | 18 | 18 | 18 | 22 | 18 | 26 | 18 | 25 | 18 | 22 | 18 | 25 | 19 | 21 | 20 | 26 | 19 | 24 | 7 |
| 15 | | 17 | 17 | 17 | 15 | 17 | 11 | 18 | 13 | 18 | 11 | 21 | 5·5 | 22 | 4 | 21 | 4·5 | 19 | 5·5 | 20 | 8·5 | 8 |
| 2 | | 17 | 1·5 | 17 | 2 | 17 | 4 | 3 | 6·5 | 3 | 5·5 | 4 | 4 | 7 | 6·5 | 7 | 6·5 | 9 | 11 | 9 | 8·5 | 9 |
| 15 | | 6 | 15 | 6 | 12 | 6 | 13 | 5 | 15 | 6 | 14 | 6 | 14 | 6 | 14 | 6 | 13 | 7 | 15 | 7 | 15 | 10 |
| 6·5 | | 4 | 5·5 | 4 | 4·5 | 4 | 4·5 | 4 | 4·5 | 4 | 4 | 4 | 2 | 4 | 1·5 | 4 | 2 | 4 | 2 | 4 | 2 | 11 |
| 2 | | 4 | 4 | 4 | 5·5 | 4 | 5·5 | 4 | 5·5 | 4 | 5·5 | 4 | 4·5 | 4 | 4 | 4 | 5·5 | 4 | 4 | 4 | 4·5 | 12 |
| 4·5 | | 13 | 4 | 15 | 4 | 15 | 6·5 | 16 | 9·5 | 13 | 6·5 | 11 | 4 | 17 | 3 | 13 | 5·5 | 14 | 8·5 | 14 | 9·5 | 13 |
| 28 | | 15 | 19 | 16 | 17 | 24 | 23 | 27 | 25 | 25 | 13 | 25 | 13 | 25 | 17 | 25 | 20 | 24 | 21 | 25 | 23 | 14 |
| 9·5 | | 20 | 7·5 | 19 | 8·5 | 16 | 14 | 15 | 7·5 | 15 | 5·5 | 20 | 7·5 | 19 | 5·5 | 17 | 8·5 | 17 | 15 | 23 | 7·5 | 15 |
| 11 | | 17 | 12 | 16 | 19 | 17 | 18 | 16 | 23 | 16 | 22 | 16 | 22 | 16 | 23 | 17 | 22 | 17 | 18 | 16 | 20 | 16 |
| 4 | | 21 | 4 | 21 | 4 | 21 | 4·5 | 21 | 4·5 | 21 | 3 | 20 | 4·5 | 21 | 6·5 | 15 | 4 | 18 | 6·5 | 18 | 5·5 | 17 |
| 35 | | 16 | 37 | 16 | 39 | 16 | 38 | 17 | 23 | 21 | 8·5 | 21 | 3 | 21 | 2 | 21 | 2 | 21 | 2 | 16 | 2 | 18 |
| 20 | | 20 | 24 | 20 | 31 | 19 | 31 | 20 | 31 | 21 | 29 | 22 | 29 | 24 | 23 | 23 | 19 | 22 | 16 | 22 | 13 | 19 |
| 11 | | 22 | 9·5 | 22 | 4·5 | 22 | 4·5 | 22 | 4 | 22 | 4·5 | 22 | 6·5 | 22 | 5·5 | 22 | 6·5 | 22 | 6·5 | 22 | 4·5 | 20 |
| 16 | | 20 | 15 | 20 | 13 | 21 | 14 | 21 | 10·5 | 20 | 12 | 20 | 8·5 | 21 | 8·5 | 21 | 13 | 20 | 13 | 20 | 11 | 21 |
| 6·5 | | 15 | 5·5 | 16 | 3 | 14 | 8·5 | 16 | 8·5 | 18 | 4·5 | 16 | 4 | 16 | 5·5 | 16 | 8·5 | 19 | 6·5 | 19 | 5·5 | 22 |
| 15 | | 16 | 28 | 16 | 28 | 16 | 31 | 16 | 32 | 16 | 30 | 16 | 32 | 17 | 27 | 16 | 24 | 16 | 27 | 16 | 32 | 23 |
| 17 | | 23 | 11 | 21 | 5·5 | 21 | 5·5 | 21 | 6·5 | 21 | 5·5 | 18 | 9·5 | 17 | 16 | 17 | 15 | 16 | 20 | 16 | 14 | 24 |
| 21 | | 24 | 22 | 24 | 20 | 25 | 19 | 25 | 16 | 24 | 11 | 26 | 16 | 26 | 19 | 25 | 15 | 25 | 18 | 25 | 25 | 25 |
| 11 | | 26 | 15 | 26 | 11 | 14 | 6·5 | 20 | 4·5 | 20 | 3 | 20 | 3 | 20 | 3 | 20 | 4 | 20 | 4 | 20 | 4·5 | 26 |
| 31 | | 24 | 28 | 24 | 28 | 24 | 24 | 24 | 19 | 24 | 14 | 24 | 10·5 | 24 | 7·5 | 24 | 14 | 23 | 7·5 | 22 | 4·5 | 27 |
| 30 | | 23 | 26 | 22 | 30 | 23 | 26 | 23 | 24 | 23 | 24 | 21 | 20 | 22 | 21 | 22 | 21 | 22 | 26 | 22 | 29 | 28 |
| 14 | | 27 | 4·5 | 24 | 14 | 24 | 22 | 22 | 16 | 21 | 16 | 22 | 26 | 22 | 32 | 22 | 33 | 22 | 32 | 22 | 31 | 29 |
| 31 | | 27 | 34 | 27 | 31 | 27 | 27 | 26 | 23 | 27 | 25 | 26 | 21 | 25 | 21 | 26 | 20 | 25 | 18 | 25 | 13 | 30 |
| 10·5 | | 21 | 9·5 | 19 | 11 | 16 | 14 | 17 | 12 | 15 | 10·5 | 16 | 9·5 | 19 | 4 | 24 | 5·5 | 1 | 3 | 1 | 3 | 31 |

# VAPOUR TENSION. *IN INCHES. BY GLAISHER'S TABLES, 5TH EDITION.*

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ·262 | ·262 | ·263 | ·260 | ·255 | ·256 | ·270 | ·266 | ·265 | ·262 | ·277 | ·277 | ·227 | ·196 | ·193 | ·193 | ·188 | ·179 | ·163 | ·155 | ·145 | ·147 | ·138 | 1 |
| ·141 | ·136 | ·114 | ·119 | ·105 | ·092 | ·090 | ·094 | ·106 | ·109 | ·116 | * | * | ·142 | ·146 | ·108 | ·104 | ·109 | ·114 | ·128 | * | ·120 | ·131 | 2 |
| ·153 | ·155 | ·160 | ·169 | ·168 | ·190 | ·157 | ·161 | ·164 | ·160 | ·164 | ·169 | ·175 | ·180 | ·176 | ·180 | ·178 | ·177 | ·177 | ·182 | ·183 | ·187 | ·189 | 3 |
| ·198 | ·198 | ·202 | ·202 | ·208 | ·206 | ·208 | ·215 | ·224 | ·231 | ·227 | ·226 | ·227 | ·229 | ·232 | ·229 | ·232 | ·265 | ·276 | ·274 | ·276 | ·274 | ·269 | 4 |
| ·267 | ·264 | ·256 | ·271 | ·253 | ·280 | ·269 | ·263 | ·261 | ·259 | ·252 | ·252 | ·253 | ·260 | ·260 | ·266 | ·262 | ·260 | ·239 | ·234 | ·240 | ·233 | ·221 | 5 |
| ·223 | ·239 | ·230 | ·231 | ·232 | ·231 | ·217 | ·213 | ·215 | ·219 | ·232 | ·238 | ·254 | ·250 | ·252 | ·264 | ·297 | ·299 | ·295 | ·278 | ·282 | ·272 | ·282 | 6 |
| ·265 | ·255 | ·261 | ·244 | ·247 | ·254 | ·259 | ·262 | ·259 | ·255 | ·248 | ·257 | ·242 | ·251 | ·252 | ·244 | ·249 | ·253 | ·251 | ·249 | ·246 | ·260 | ·265 | 7 |
| ·252 | ·263 | ·259 | ·259 | ·247 | ·244 | ·248 | ·273 | ·252 | ·251 | ·259 | ·274 | ·275 | ·277 | ·281 | ·273 | ·274 | ·278 | ·274 | ·267 | ·263 | ·256 | ·260 | 8 |
| ·260 | ·262 | ·260 | ·255 | ·258 | ·259 | ·259 | ·260 | ·266 | ·279 | ·283 | ·292 | ·291 | ·292 | ·273 | ·261 | ·242 | ·235 | ·233 | ·233 | ·233 | ·230 | ·234 | 9 |
| ·238 | ·245 | ·241 | ·237 | ·239 | ·241 | ·246 | ·246 | ·245 | ·252 | ·252 | ·250 | ·238 | ·236 | ·230 | ·218 | ·211 | ·211 | ·211 | ·210 | ·209 | ·205 | ·194 | 10 |
| ·188 | ·186 | ·182 | ·178 | ·172 | ·167 | ·166 | ·166 | ·159 | ·157 | ·158 | ·157 | ·158 | ·161 | ·165 | ·167 | ·177 | ·178 | ·176 | ·175 | ·162 | ·168 | ·160 | 11 |
| ·166 | ·142 | ·145 | ·153 | ·146 | ·137 | ·134 | ·143 | ·138 | ·149 | ·151 | ·163 | ·170 | ·180 | ·183 | ·174 | ·175 | ·175 | ·173 | ·173 | ·170 | ·172 | * | 12 |
| - - | - - | * | - - | - - | - - | ·169 | ·176 | ·174 | ·178 | ·177 | ·193 | ·182 | ·184 | ·191 | ·182 | ·187 | ·197 | ·200 | ·214 | ·209 | ·218 | ·217 | 13 |
| ·228 | ·233 | ·239 | ·239 | ·247 | ·251 | ·253 | ·247 | ·258 | ·253 | ·259 | ·271 | ·287 | ·289 | ·301 | ·306 | ·224 | ·243 | ·244 | ·241 | ·227 | ·225 | ·215 | 14 |
| ·212 | ·215 | ·217 | ·209 | ·211 | ·203 | ·201 | ·210 | ·206 | ·211 | ·208 | ·219 | ·211 | ·214 | ·203 | ·203 | ·203 | ·205 | ·212 | ·226 | ·238 | ·241 | ·245 | 15 |
| ·260 | ·274 | ·270 | ·264 | ·258 | ·263 | ·252 | ·245 | ·244 | ·237 | ·246 | ·259 | ·256 | ·273 | ·283 | ·283 | ·291 | ·294 | ·307 | ·308 | ·308 | ·318 | ·330 | 16 |
| ·323 | ·322 | ·309 | ·292 | ·275 | ·266 | ·262 | ·257 | ·253 | ·255 | ·258 | ·259 | ·263 | ·257 | ·257 | ·251 | ·240 | ·242 | ·246 | ·263 | ·249 | ·244 | ·244 | 17 |
| ·222 | ·218 | ·222 | ·209 | ·205 | ·214 | ·219 | ·228 | ·236 | ·251 | ·256 | ·268 | ·282 | ·294 | ·293 | ·309 | ·314 | ·310 | ·306 | ·298 | ·298 | ·310 | ·308 | 18 |
| ·343 | ·352 | ·353 | ·353 | ·353 | ·362 | ·362 | ·359 | ·363 | * | ·361 | ·385 | ·331 | ·255 | ·229 | ·231 | ·253 | ·282 | ·238 | ·223 | ·226 | ·227 | ·238 | 19 |
| ·235 | ·224 | ·225 | ·207 | ·197 | ·195 | ·186 | ·186 | ·196 | ·209 | ·219 | ·226 | ·223 | ·224 | ·222 | ·205 | ·194 | ·194 | ·197 | ·199 | ·202 | ·198 | ·199 | 20 |
| ·195 | ·194 | ·193 | ·193 | ·204 | ·212 | ·206 | ·204 | ·222 | ·229 | ·232 | ·239 | ·240 | ·246 | ·262 | ·248 | ·231 | ·221 | ·231 | ·239 | ·246 | ·244 | ·235 | 21 |
| ·230 | ·225 | ·226 | ·222 | ·224 | ·226 | ·221 | ·226 | ·224 | ·234 | ·237 | ·238 | ·233 | ·221 | ·221 | ·212 | ·187 | ·179 | ·172 | ·176 | ·174 | ·173 | ·176 | 22 |
| ·176 | ·185 | ·183 | ·179 | ·178 | ·178 | ·176 | ·184 | ·189 | ·172 | ·191 | ·187 | ·186 | ·175 | ·165 | ·165 | ·161 | ·158 | ·160 | ·168 | ·171 | ·173 | ·177 | 23 |
| ·213 | ·227 | ·238 | ·225 | ·228 | ·224 | ·223 | ·207 | ·211 | ·208 | ·210 | ·197 | ·184 | ·180 | ·177 | ·178 | ·166 | ·168 | ·167 | ·166 | ·168 | ·173 | ·164 | 24 |
| ·157 | ·194 | ·198 | ·202 | ·214 | ·229 | ·250 | ·270 | ·270 | ·244 | ·268 | ·240 | ·226 | ·211 | ·197 | ·189 | ·177 | ·184 | ·186 | ·186 | ·187 | ·182 | ·185 | 25 |
| ·187 | ·182 | ·181 | ·172 | ·180 | ·179 | ·175 | ·182 | ·190 | ·186 | ·189 | ·199 | ·194 | ·194 | ·200 | ·192 | ·187 | ·192 | ·184 | ·193 | ·198 | ·188 | ·183 | 26 |
| ·189 | ·191 | ·198 | ·211 | ·212 | ·224 | ·220 | ·264 | ·271 | ·307 | ·265 | ·273 | ·257 | ·250 | ·238 | ·231 | ·228 | ·222 | ·232 | ·222 | ·217 | ·207 | ·213 | 27 |
| ·198 | ·193 | ·207 | ·208 | ·217 | ·215 | ·225 | ·252 | ·281 | ·260 | ·255 | ·219 | ·209 | ·201 | ·171 | ·183 | ·183 | ·175 | ·184 | ·169 | ·173 | ·150 | ·161 | 28 |
| ·155 | ·169 | ·179 | ·163 | ·181 | ·167 | ·168 | ·171 | ·179 | ·198 | ·218 | ·197 | ·210 | ·206 | ·240 | ·236 | ·247 | ·265 | ·278 | ·268 | ·254 | ·250 | ·262 | 29 |
| ·251 | ·241 | ·227 | ·248 | ·261 | ·264 | ·211 | ·201 | ·170 | ·179 | ·183 | ·179 | ·185 | ·170 | ·165 | ·174 | ·180 | ·166 | ·170 | ·177 | ·176 | ·180 | ·188 | 30 |
| ·199 | ·200 | ·204 | ·204 | ·207 | ·207 | ·206 | ·216 | ·220 | ·225 | ·239 | ·244 | ·232 | ·217 | ·208 | ·206 | ·198 | ·196 | ·203 | ·211 | ·217 | ·220 | ·223 | 31 |

*Meteorological Office,*
*116, Victoria Street, Westminster, S.W.*
ROBERT H. SCOTT, Director.

KEW OBSERVATORY LAT. 51°28′ N. LONG. 0°19′ W.

# BAROMETER.

| DAYS. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 29·126 | 29·082 | 29·028 | 28·971 | 28·941 | 28·860 | 28·782 | 28·742 | 28·699 | 28·733 | 28·791 | 28·912 | 28·947 |
| 2 | ·284 | ·331 | ·378 | 29·420 | 29·462 | 29·510 | 29·559 | 29·597 | 29·643 | 29·668 | 29·675 | 29·682 | 29·687 |
| 3 | ·605 | ·611 | ·606 | ·589 | ·571 | ·559 | ·545 | ·521 | ·507 | ·468 | ·459 | ·414 | ·399 |
| 4 | ·241 | ·222 | ·199 | ·178 | ·177 | ·169 | ·170 | ·161 | ·136 | ·147 | ·151 | ·140 | ·131 |
| 5 | ·133 | ·133 | ·138 | ·141 | ·152 | ·165 | ·179 | ·192 | ·211 | ·217 | ·221 | ·209 | ·201 |
| 6 | ·190 | ·219 | ·256 | ·275 | ·281 | ·294 | ·297 | ·311 | ·305 | ·276 | ·257 | ·202 | ·161 |
| 7 | ·071 | ·123 | ·134 | ·138 | ·130 | ·104 | ·089 | ·078 | ·120 | ·164 | ·170 | ·177 | ·167 |
| 8 | ·439 | ·463 | ·461 | ·457 | ·459 | ·457 | ·461 | ·474 | ·517 | ·497 | ·478 | ·449 | ·444 |
| 9 | 29·499 | 29·511 | 29·507 | 29·518 | 29·522 | 29·555 | 29·600 | 29·646 | 29·693 | ·749 | ·777 | ·780 | ·803 |
| 10 | 30·029 | 30·038 | 30·031 | 30·010 | 30·016 | 30·016 | 30·016 | 30·014 | 30·009 | ·998 | ·994 | ·965 | ·923 |
| 11 | 29·656 | 29·637 | 29·622 | 29·614 | 29·607 | 29·611 | 29·616 | 29·621 | 29·631 | ·655 | ·660 | ·661 | ·672 |
| 12 | ·773 | ·776 | ·779 | ·780 | ·782 | 29·784 | 29·785 | 29·792 | 29·801 | 29·819 | 29·817 | 29·819 | 29·823 |
| 13 | ·964 | ·981 | ·984 | ·989 | ·997 | 30·005 | 30·019 | 30·029 | 30·042 | 30·026 | 30·046 | 30·046 | 30·044 |
| 14 | ·976 | ·952 | ·924 | ·896 | ·870 | 29·854 | 29·829 | 29·808 | 29·791 | 29·769 | 29·742 | 29·692 | 29·651 |
| 15 | 29·717 | 29·742 | 29·780 | 29·819 | 29·847 | 29·876 | 29·904 | 29·942 | 29·976 | 29·999 | 30·028 | 30·042 | 30·041 |
| 16 | 30·068 | 30·082 | 30·071 | 30·071 | 30·070 | 30·065 | 30·061 | 30·065 | 30·072 | 30·077 | 30·069 | 30·053 | 30·044 |
| 17 | 29·942 | 29·933 | 29·911 | 29·889 | 29·869 | 29·861 | 29·845 | 29·836 | 29·830 | 29·828 | 29·816 | 29·796 | 29·781 |
| 18 | ·812 | ·814 | ·813 | ·811 | ·812 | ·805 | ·804 | ·804 | ·802 | ·801 | ·812 | ·799 | ·794 |
| 19 | 29·717 | 29·719 | 29·722 | 29·721 | 29·722 | 29·723 | 29·727 | 29·741 | 29·749 | 29·761 | 29·759 | 29·760 | 29·767 |
| 20 | 30·123 | 30·145 | 30·165 | 30·191 | 30·195 | 30·204 | 30·223 | 30·254 | 30·275 | 30·283 | 30·311 | 30·329 | 30·341 |
| 21 | ·555 | ·566 | ·567 | ·579 | ·580 | ·581 | ·589 | ·607 | ·623 | ·640 | ·634 | ·626 | ·613 |
| 22 | ·619 | ·615 | ·614 | ·615 | ·611 | ·602 | ·597 | ·594 | ·593 | ·603 | ·601 | ·587 | ·571 |
| 23 | ·490 | ·464 | ·455 | ·439 | ·437 | ·447 | ·447 | ·447 | ·440 | ·421 | ·404 | ·379 | ·347 |
| 24 | ·089 | ·066 | 30·045 | 30·022 | 30·019 | 30·040 | 30·043 | 30·057 | 30·082 | 30·111 | 30·122 | 30·128 | 30·132 |
| 25 | 30·070 | 30·054 | 29·998 | 29·956 | 29·914 | 29·866 | 29·829 | 29·794 | 29·755 | 29·707 | 29·671 | 29·646 | 29·606 |
| 26 | 29·836 | 29·863 | 29·883 | 29·907 | 29·928 | 29·962 | 29·985 | 30·014 | 30·037 | 30·070 | 30·078 | 30·084 | 30·089 |
| 27 | 30·188 | 30·191 | 30·190 | 30·180 | 30·173 | 30·170 | 30·172 | ·171 | ·160 | 30·152 | 30·120 | 30·112 | 30·086 |
| 28 | 30·217 | 30·206 | 30·213 | 30·170 | ·145 | ·110 | ·087 | ·063 | ·022 | 29·980 | 29·948 | 29·905 | 29·864 |
| 29 | 29·910 | 29·924 | 29·947 | 29·984 | 30·021 | 30·050 | 30·084 | 30·106 | 30·129 | 30·148 | 30·157 | 30·109 | 30·107 |
| 30 | ·842 | ·820 | ·786 | ·721 | 29·652 | 29·579 | 29·521 | 29·430 | 29·305 | 29·309 | 29·380 | 29·430 | 29·446 |
| 31 | 29·900 | 29·927 | 29·947 | 29·966 | 29·984 | 30·000 | 30·010 | 30·036 | 30·054 | 30·056 | 30·080 | 30·077 | 30·064 |

# DRY BULB THERMOMETER 10 FEET ABOVE GROUND.

| DAYS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 51·7 | 51·5 | 50·9 | 51·0 | 51·1 | 49·0 | 51·0 | 51·2 | 50·2 | 52·0 | 52·0 | 50·6 | 50·7 | 50·6 | 50·1 | 50·1 | 49·0 | 48·9 | 49·0 | 48·4 | 48·4 | 48·3 | 47·8 | 42·6 |
| 2 | 41·8 | 40·1 | 39·3 | 38·9 | 37·0 | 36·6 | 36·7 | 37·0 | 37·5 | 37·8 | 38·5 | 39·0 | 38·6 | 39·6 | 40·2 | 39·0 | 39·2 | 39·4 | 40·6 | 40·1 | 40·0 | 38·9 | 39·7 | 40·0 |
| 3 | 40·0 | 40·0 | 41·1 | 42·1 | 42·9 | 43·3 | 44·0 | 44·3 | 44·8 | 45·6 | 48·3 | 50·0 | 50·6 | 50·0 | 49·8 | 49·4 | 49·7 | 50·2 | 50·6 | 50·3 | 50·2 | 49·7 | 50·0 | 50·2 |
| 4 | 50·0 | 49·8 | 49·4 | 49·3 | 49·2 | 49·6 | 49·7 | 50·0 | 50·0 | 49·9 | 50·1 | 50·8 | 51·0 | 51·1 | 51·0 | 50·1 | 49·4 | 49·9 | 49·6 | 49·6 | 48·4 | 48·4 | 48·3 | 48·2 |
| 5 | 46·9 | 47·0 | 47·2 | 47·0 | 46·7 | 46·0 | 46·1 | 46·7 | 46·6 | 47·8 | 48·5 | 50·9 | 51·1 | 50·0 | 49·1 | 47·2 | 48·0 | 48·3 | 48·6 | 48·0 | 46·0 | 45·7 | 44·8 | 44·0 |
| 6 | 44·1 | 44·0 | 44·1 | 41·8 | 41·8 | 42·5 | 43·0 | 43·8 | 44·5 | 46·9 | 48·1 | 48·1 | 49·2 | 50·0 | 50·3 | 49·2 | 48·4 | 48·8 | 49·0 | 49·3 | 50·1 | 50·2 | 50·1 | 50·0 |
| 7 | 48·3 | 49·0 | 48·1 | 49·0 | 49·7 | 50·3 | 48·9 | 49·1 | 49·7 | 49·0 | 50·9 | 51·8 | 51·6 | 51·1 | 48·2 | 47·3 | 47·4 | 47·4 | 48·7 | 48·0 | 46·1 | 46·4 | 47·5 | 48·4 |
| 8 | 48·1 | 47·8 | 49·7 | 50·1 | 50·7 | 50·4 | 50·0 | 49·0 | 48·8 | 49·0 | 49·7 | 50·0 | 50·0 | 50·0 | 49·9 | 49·8 | 49·2 | 48·7 | 48·7 | 47·3 | 47·1 | 47·0 | 46·7 | 46·8 |
| 9 | 45·8 | 45·9 | 46·0 | 46·0 | 46·1 | 46·2 | 46·3 | 46·4 | 47·1 | 48·4 | 50·1 | 51·0 | 52·0 | 51·7 | 51·9 | 50·8 | 49·2 | 48·5 | 48·6 | 47·9 | 46·4 | 45·0 | 44·1 | 42·7 |
| 10 | 41·1 | 41·6 | 41·1 | 40·1 | 40·0 | 40·0 | 40·7 | 39·9 | 39·7 | 40·5 | 43·0 | 43·4 | 44·6 | 45·6 | 46·3 | 47·0 | 46·7 | 46·1 | 45·8 | 45·7 | 45·0 | 45·2 | 45·3 | 45·0 |
| 11 | 43·8 | 43·1 | 42·7 | 42·0 | 41·6 | 40·5 | 40·0 | 39·0 | 38·5 | 38·2 | 38·6 | 39·0 | 39·9 | 39·0 | 39·0 | 38·7 | 38·2 | 38·2 | 37·9 | 37·9 | 37·7 | 37·6 | 37·2 | 36·8 |
| 12 | 36·2 | 35·4 | 34·2 | 33·7 | 33·2 | 33·0 | 31·5 | 32·2 | 33·4 | 33·7 | 35·1 | 35·3 | 36·8 | 38·0 | 37·7 | 38·1 | 35·9 | 35·2 | 34·8 | 36·1 | 36·6 | 36·6 | 36·7 | 36·6 |
| 13 | 36·3 | 36·7 | 36·5 | 36·2 | 36·4 | 36·2 | 36·3 | 36·1 | 36·8 | 36·2 | 38·8 | 39·5 | 40·1 | 41·3 | 40·9 | 40·3 | 39·8 | 38·8 | 39·0 | 39·6 | 39·8 | 40·1 | 40·6 | 41·0 |
| 14 | 41·9 | 42·2 | 43·0 | 43·4 | 43·7 | 44·0 | 44·8 | 45·9 | 46·3 | 47·4 | 48·0 | 49·1 | 48·5 | 48·6 | 48·8 | 49·2 | 49·7 | 49·8 | 49·4 | 48·2 | 44·0 | 43·9 | 43·8 | 43·9 |
| 15 | 44·1 | 43·5 | 42·0 | 40·6 | 39·9 | 39·0 | 38·0 | 37·4 | 37·2 | 39·1 | 41·3 | 42·8 | 42·5 | 43·9 | 43·8 | 42·1 | 40·7 | 40·3 | 39·1 | 40·0 | 40·5 | 40·0 | 40·0 | 41·1 |
| 16 | 42·0 | 42·5 | 45·2 | 45·2 | 46·0 | 46·1 | 46·5 | 46·9 | 47·2 | 47·7 | 49·1 | 49·8 | 51·0 | 50·2 | 50·0 | 49·1 | 49·0 | 49·0 | 48·7 | 48·4 | 48·5 | 49·0 | 49·1 | 49·3 |
| 17 | 49·8 | 50·0 | 50·1 | 50·0 | 50·1 | 50·1 | 50·3 | 50·5 | 50·4 | 50·3 | 50·0 | 50·0 | 50·4 | 50·8 | 50·8 | 49·9 | 49·2 | 48·5 | 48·1 | 47·8 | 46·2 | 45·0 | 43·6 | 41·0 |
| 18 | 40·0 | 39·3 | 37·8 | 37·2 | 39·8 | 38·1 | 38·0 | 42·9 | 44·2 | 46·0 | 47·1 | 48·2 | 48·5 | 48·8 | 48·7 | 48·3 | 48·9 | 49·0 | 49·9 | 50·5 | 50·6 | 50·9 | 50·9 | 51·0 |
| 19 | 51·2 | 51·0 | 52·0 | 52·0 | 52·3 | 52·1 | 52·8 | 52·6 | 53·5 | 54·0 | 55·0 | 54·7 | 54·9 | 55·3 | 56·3 | 54·0 | 52·9 | 52·1 | 51·0 | 49·7 | 48·7 | 49·0 | 48·2 | 47·5 |
| 20 | 47·1 | 46·8 | 46·3 | 46·0 | 45·4 | 45·0 | 44·3 | 44·0 | 43·7 | 44·9 | 44·2 | 44·7 | 45·3 | 47·0 | 46·9 | 45·8 | 44·7 | 42·3 | 40·0 | 37·8 | 37·8 | 33·7 | 33·0 | 32·6 |
| 21 | 31·2 | 30·0 | 30·0 | 29·5 | 29·0 | 28·6 | 28·0 | 28·9 | 29·9 | 30·1 | 31·3 | 32·5 | 34·0 | 35·5 | 45·0 | 45·9 | 46·8 | 45·3 | 43·3 | 40·9 | 39·4 | 38·2 | 38·6 | 36·3 | 35·1 | 36·6 |
| 22 | 33·7 | 31·8 | 30·5 | 30·6 | 30·0 | 30·5 | 30·2 | 29·2 | 31·0 | 33·7 | 35·8 | 39·7 | 42·3 | 42·5 | 41·1 | 39·3 | 37·7 | 36·9 | 36·5 | 34·4 | 32·6 | 32·3 | 32·6 | 32·0 |
| 23 | 29·1 | 30·9 | 32·0 | 32·0 | 30·9 | 30·1 | 30·5 | 30·8 | 32·7 | 35·9 | 41·0 | 43·4 | 45·2 | 46·0 | 45·2 | 43·0 | 40·8 | 41·0 | 40·8 | 41·1 | 41·0 | 41·9 | 42·0 | 42·0 |
| 24 | 41·5 | 41·0 | 41·7 | 41·6 | 42·9 | 42·3 | 42·8 | 42·7 | 42·2 | 44·0 | 45·3 | 45·6 | 45·3 | 44·8 | 45·0 | 42·9 | 40·8 | 38·4 | 36·6 | 35·6 | 34·6 | 34·1 | 35·0 | 34·8 |
| 25 | 35·5 | 37·0 | 37·9 | 39·7 | 41·4 | 41·9 | 43·8 | 44·1 | 45·6 | 47·1 | 48·4 | 48·9 | 50·0 | 50·6 | 50·7 | 44·0 | 44·1 | 44·3 | 43·0 | 41·0 | 39·8 | 39·0 | 38·0 | 36·9 |
| 26 | 36·6 | 36·2 | 35·3 | 35·4 | 35·5 | 36·0 | 35·2 | 35·0 | 36·5 | 38·1 | 40·1 | 41·2 | 41·8 | 42·2 | 42·3 | 41·6 | 39·6 | 38·0 | 36·9 | 36·0 | 35·4 | 34·1 | 33·6 | 31·1 |
| 27 | 32·2 | 31·8 | 32·0 | 31·0 | 31·8 | 32·0 | 33·0 | 34·9 | 37·4 | 38·7 | 40·7 | 42·8 | 44·4 | 45·4 | 46·2 | 46·3 | 46·0 | 43·0 | 41·6 | 40·8 | 39·8 | 38·8 | 37·1 | 36·7 |
| 28 | 35·0 | 35·5 | 36·4 | 35·9 | 35·5 | 36·9 | 37·6 | 41·7 | 43·4 | 45·0 | 47·2 | 47·1 | 48·5 | 50·2 | 50·8 | 49·1 | 47·2 | 45·2 | 44·0 | 43·8 | 42·1 | 41·3 | 40·2 | 38·9 |
| 29 | 38·5 | 37·8 | 37·8 | 36·9 | 36·3 | 36·4 | 36·4 | 37·0 | 37·3 | 39·2 | 41·2 | 43·1 | 43·7 | 45·1 | 44·0 | 45·2 | 47·7 | 47·8 | 48·9 | 49·6 | 49·2 | 49·4 | 49·0 | 48·3 |
| 30 | 47·6 | 47·1 | 46·3 | 47·2 | 47·0 | 47·2 | 46·6 | 47·2 | 47·0 | 47·8 | 47·4 | 41·7 | 46·4 | 43·0 | 43·7 | 43·2 | 42·0 | 41·7 | 40·0 | 39·5 | 39·8 | 39·6 | 39·0 | 37·6 |
| 31 | 37·1 | 37·1 | 36·8 | 36·5 | 36·3 | 36·3 | 36·5 | 36·2 | 38·0 | 38·3 | 40·8 | 42·1 | 43·3 | 43·2 | 43·5 | 42·7 | 42·2 | 42·0 | 41·9 | 40·5 | 40·1 | 40·9 | 42·6 | 43·1 |

* Record defective or Instrument out of action.

# HOURLY VALUES *January* 1877.

CISTERN 34 FEET ABOVE MEAN SEA LEVEL.

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ·976 | 28·994 | 29·005 | 29·024 | 29·042 | 29·057 | 29·085 | 29·107 | 29·141 | 29·184 | 29·245 | 1 |
| ·687 | 29·706 | ·721 | ·747 | ·697 | ·688 | ·678 | ·663 | ·657 | ·632 | ·614 | 2 |
| ·281 | ·272 | ·339 | ·329 | ·326 | ·337 | ·307 | ·294 | ·275 | ·269 | ·251 | 3 |
| ·123 | ·125 | ·126 | ·122 | ·132 | ·132 | ·129 | ·133 | ·130 | ·127 | ·125 | 4 |
| ·195 | ·176 | ·172 | ·163 | ·153 | ·156 | ·173 | ·186 | ·191 | ·192 | ·186 | 5 |
| ·146 | ·121 | ·117 | ·101 | ·048 | ·049 | ·024 | ·022 | ·015 | ·011 | ·040 | 6 |
| ·173 | ·181 | ·193 | ·209 | ·229 | ·263 | ·295 | ·329 | ·365 | ·398 | ·421 | 7 |
| ·449 | ·433 | ·428 | ·442 | ·444 | ·456 | ·469 | 29·479 | 29·498 | 29·510 | 29·526 | 8 |
| ·830 | ·849 | ·880 | ·908 | ·939 | ·966 | ·979 | 30·003 | 30·015 | 30·024 | 30·022 | 9 |
| ·897 | ·885 | ·869 | ·843 | ·826 | ·825 | ·796 | 29·764 | 29·739 | 29·707 | 29·675 | 10 |
| ·684 | ·691 | ·703 | ·708 | ·715 | ·734 | ·750 | ·753 | ·758 | ·764 | ·771 | 11 |
| ·828 | 29·849 | 29·862 | 29·871 | 29·888 | 29·899 | 29·925 | 29·902 | 29·946 | 29·959 | ·964 | 12 |
| ·026 | 30·030 | 30·030 | 30·042 | 30·044 | 30·044 | 30·041 | 30·032 | 30·023 | 30·014 | ·991 | 13 |
| ·614 | 29·587 | 29·534 | 29·535 | 29·516 | 29·510 | 29·524 | 29·582 | 29·632 | 29·662 | 29·692 | 14 |
| ·055 | 30·064 | 30·081 | 30·091 | 30·100 | 30·103 | 30·099 | 30·090 | 30·098 | 30·097 | 30·091 | 15 |
| ·030 | 30·027 | 30·026 | 30·026 | 30·022 | 30·016 | 30·008 | 29·996 | 29·981 | 29·969 | 29·961 | 16 |
| ·772 | 29·776 | 29·780 | 29·785 | 29·792 | 29·796 | 29·802 | ·807 | ·810 | ·811 | ·815 | 17 |
| ·768 | ·747 | ·742 | ·737 | ·731 | ·731 | ·730 | 29·730 | 29·726 | 29·725 | 29·722 | 18 |
| ·771 | 29·783 | 29·803 | 29·840 | 29·891 | 29·933 | 29·965 | 30·010 | 30·051 | 30·081 | 30·104 | 19 |
| ·365 | 30·389 | 30·415 | 30·441 | 30·467 | 30·483 | 30·502 | ·515 | ·533 | ·553 | ·556 | 20 |
| ·601 | ·609 | ·610 | ·612 | ·612 | ·613 | ·614 | ·612 | ·613 | ·622 | ·621 | 21 |
| ·569 | ·564 | ·555 | ·544 | ·537 | ·543 | ·555 | ·544 | ·525 | ·514 | ·505 | 22 |
| ·029 | ·021 | ·005 | ·277 | ·266 | ·240 | ·207 | ·184 | ·143 | ·130 | ·113 | 23 |
| ·142 | 30·155 | 30·160 | 30·185 | 30·194 | 30·185 | 30·182 | 30·144 | 30·142 | 30·130 | 30·104 | 24 |
| ·580 | 29·576 | 29·640 | 29·655 | 29·682 | 29·712 | 29·706 | 29·754 | 29·776 | 29·798 | 29·817 | 25 |
| ·100 | 30·116 | 30·132 | 30·147 | 30·157 | 30·170 | 30·186 | 30·191 | 30·193 | 30·185 | 30·181 | 26 |
| ·080 | 30·087 | 30·100 | 30·118 | 30·136 | 30·169 | 30·198 | 30·216 | 30·222 | 30·226 | 30·231 | 27 |
| ·865 | 29·871 | 29·882 | 29·896 | 29·908 | 29·922 | 29·918 | 29·916 | 29·900 | 29·905 | 29·892 | 28 |
| ·068 | 30·014 | ·987 | ·975 | ·950 | ·941 | ·908 | ·943 | ·933 | ·915 | ·882 | 29 |
| ·484 | 29·517 | 29·566 | 29·595 | 29·658 | ·710 | ·730 | ·763 | ·806 | ·844 | ·871 | 30 |
| ·054 | 30·050 | 30·042 | 30·029 | 30·011 | 30·000 | 29·973 | 29·936 | 29·902 | 29·884 | 29·869 | 31 |

# WET BULB THERMOMETER *10 FEET ABOVE GROUND.*

| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50·0 | 49·0 | 47·5 | 47·2 | 46·4 | 46·5 | 48·2 | 49·1 | 50·6 | 50·8 | 46·8 | 46·8 | 47·1 | 47·7 | 47·9 | 47·0 | 47·2 | 47·0 | 46·9 | 46·9 | 46·5 | 45·5 | 40·9 | 1 |
| 38·8 | 38·0 | 37·3 | 36·6 | 35·7 | 35·3 | 35·7 | 36·0 | 35·9 | 36·2 | 36·2 | 36·2 | 37·1 | 37·7 | 36·5 | 36·8 | 37·1 | 37·9 | 38·4 | 38·8 | 38·0 | 38·5 | 38·5 | 2 |
| 39·0 | 40·0 | 41·0 | 41·9 | 42·6 | 43·2 | 43·8 | 44·3 | 45·2 | 48·0 | 49·4 | 49·4 | 48·5 | 48·1 | 48·0 | 48·0 | 48·2 | 47·9 | 47·5 | 47·7 | 47·1 | 47·2 | 47·7 | 3 |
| 47·8 | 48·0 | 48·0 | 48·1 | 48·7 | 48·7 | 48·8 | 48·7 | 48·5 | 48·2 | 48·8 | 49·1 | 49·0 | 48·7 | 48·1 | 47·4 | 47·7 | 48·0 | 47·9 | 46·9 | 47·0 | 46·8 | 46·7 | 4 |
| 45·0 | 46·0 | 45·2 | 45·0 | 44·3 | 44·2 | 44·0 | 44·7 | 45·7 | 46·8 | 47·4 | 47·9 | 47·5 | 47·0 | 46·0 | 46·3 | 46·8 | 46·0 | 45·1 | 43·7 | 43·5 | 43·2 | 42·9 | 5 |
| 41·1 | 40·1 | 39·8 | 39·9 | 40·1 | 40·7 | 41·9 | 43·1 | 45·3 | 46·9 | 47·1 | 48·0 | 47·6 | 47·6 | 47·6 | 46·8 | 46·0 | 46·0 | 46·1 | 47·0 | 46·7 | 47·5 | 47·0 | 6 |
| 46·0 | 46·0 | 46·5 | 46·9 | 47·8 | 46·2 | 47·0 | 46·0 | 46·6 | 47·1 | 47·7 | 48·0 | 48·0 | 47·9 | 46·3 | 46·2 | 46·0 | 46·5 | 46·0 | 44·0 | 44·2 | 45·5 | 46·0 | 7 |
| 46·1 | 47·7 | 48·0 | 48·3 | 48·2 | 47·8 | 48·0 | 48·1 | 48·4 | 49·0 | 49·1 | 49·4 | 49·4 | 49·5 | 49·2 | 48·9 | 48·2 | 48·5 | 47·1 | 47·0 | 47·0 | 46·7 | 46·7 | 8 |
| 45·9 | 45·9 | 46·0 | 46·1 | 46·1 | 46·2 | 46·2 | 47·0 | 48·0 | 48·7 | 49·2 | 49·1 | 48·9 | 48·5 | 48·0 | 47·0 | 46·5 | 46·7 | 46·0 | 44·9 | 43·8 | 43·3 | 42·1 | 9 |
| 41·1 | 40·6 | 39·7 | 39·4 | 39·1 | 39·9 | 38·8 | 39·1 | 40·0 | 42·0 | 42·6 | 43·8 | 44·5 | 45·2 | 45·2 | 45·2 | 44·8 | 44·2 | 44·2 | 43·0 | 43·1 | 43·0 | 42·8 | 10 |
| 41·4 | 41·0 | 40·8 | 40·3 | 40·0 | 38·6 | 37·6 | 37·1 | 36·7 | 36·8 | 37·0 | 36·9 | 36·8 | 36·7 | 36·5 | 36·1 | 36·0 | 35·8 | 35·3 | 35·2 | 35·0 | 34·9 | 34·2 | 11 |
| 34·0 | 33·3 | 32·9 | 32·8 | 32·1 | 30·9 | 31·1 | 33·0 | 33·0 | 34·0 | 34·2 | 34·8 | 34·2 | 34·7 | 35·2 | 34·0 | 34·0 | 33·5 | 33·9 | 35·1 | 35·0 | 35·1 | 35·3 | 12 |
| 35·0 | 35·1 | 35·0 | 35·2 | 35·2 | 35·1 | 35·1 | 36·0 | 35·2 | 37·0 | 38·1 | 38·5 | 39·5 | 38·4 | 37·9 | 37·6 | 37·0 | 37·6 | 37·5 | 37·7 | 38·2 | 38·9 | 39·2 | 13 |
| 41·3 | 42·0 | 42·8 | 43·0 | 43·2 | 44·0 | 45·2 | 45·7 | 46·6 | 47·0 | 47·6 | 47·5 | 47·6 | 48·0 | 48·2 | 48·6 | 49·0 | 48·1 | 47·3 | 47·9 | 42·0 | 42·2 | 42·1 | 14 |
| 40·0 | 38·8 | 37·9 | 37·2 | 36·5 | 36·0 | 35·5 | 35·9 | 36·7 | 38·1 | 39·0 | 39·6 | 39·1 | 39·5 | 38·7 | 38·0 | 37·9 | 37·1 | 37·9 | 38·2 | 38·1 | 38·3 | 39·8 | 15 |
| 42·3 | 43·8 | 44·0 | 44·4 | 44·9 | 45·2 | 45·8 | 46·1 | 46·5 | 47·1 | 47·8 | 47·6 | 47·8 | 47·2 | 46·8 | 47·1 | 47·2 | 47·2 | 47·1 | 47·4 | 47·8 | 48·1 | 48·4 | 16 |
| 49·0 | 49·0 | 49·1 | 49·2 | 49·1 | 48·7 | 48·9 | 48·8 | 48·9 | 49·0 | 49·0 | 49·1 | 49·3 | 49·1 | 48·7 | 48·0 | 47·4 | 47·1 | 47·0 | 45·5 | 44·3 | 43·1 | 40·5 | 17 |
| 38·5 | 37·1 | 37·0 | 39·2 | 37·7 | 38·0 | 42·2 | 43·3 | 44·7 | 45·4 | 46·0 | 46·3 | 46·7 | 46·7 | 46·9 | 47·2 | 47·9 | 48·6 | 49·0 | 49·2 | 49·7 | 49·8 | 50·0 | 18 |
| 50·4 | 50·9 | 51·0 | 51·0 | 51·0 | 51·3 | 51·2 | 51·9 | 52·0 | 52·5 | 52·6 | 52·7 | 52·7 | 52·8 | 52·0 | 50·0 | 48·9 | 47·0 | 45·9 | 45·7 | 45·2 | 44·9 | 44·9 | 19 |
| 44·3 | 44·2 | 44·5 | 44·1 | 43·7 | 43·2 | 43·0 | 42·9 | 43·5 | 42·6 | 43·0 | 43·2 | 44·0 | 43·7 | 43·8 | 43·0 | 41·4 | 39·2 | 37·4 | 37·5 | 38·4 | 38·9 | 39·1 | 20 |
| * | 29·9 | 29·2 | 28·9 | 28·5 | 27·9 | 28·8 | 29·6 | 30·0 | * | 37·0 | 43·3 | 43·8 | 44·3 | 43·3 | 42·0 | 39·8 | 38·3 | 37·5 | 38·0 | 35·9 | 35·0 | 33·3 | 21 |
| 31·3 | 30·1 | * | * | 30·2 | 30·0 | 29·2 | 30·8 | * | 33·2 | 38·2 | 40·7 | 40·7 | 39·7 | 38·0 | 36·5 | 35·9 | 35·2 | 33·8 | 32·1 | 32·0 | 32·1 | 31·9 | 22 |
| 30·4 | 31·2 | 31·2 | 30·3 | 29·9 | 29·8 | 30·0 | * | * | 38·2 | 39·7 | 40·2 | 40·3 | 39·7 | 37·9 | 36·2 | 36·3 | 36·3 | 36·5 | 36·4 | 37·0 | 37·0 | 37·0 | 23 |
| 37·4 | 38·4 | 38·9 | 40·2 | 41·3 | 42·0 | 42·0 | 41·4 | 41·9 | 41·2 | 41·0 | 40·0 | 40·0 | 39·7 | 38·7 | 37·9 | 36·0 | 35·0 | 34·1 | 33·3 | 33·0 | 33·9 | 33·5 | 24 |
| 35·3 | 36·1 | 37·5 | 39·6 | 40·9 | 42·9 | 43·8 | 45·0 | 46·2 | 47·4 | 48·0 | 49·2 | 49·5 | 49·7 | 46·6 | 42·4 | 42·8 | 39·2 | 37·6 | 36·9 | 36·5 | 35·3 | 34·5 | 25 |
| 34·0 | 33·7 | 33·6 | 33·6 | 33·7 | 33·4 | 33·3 | 34·0 | 35·0 | 36·1 | 37·1 | 37·6 | 38·0 | 38·0 | 37·5 | 36·7 | 35·8 | 34·7 | 34·2 | 33·7 | 33·1 | 32·8 | 30·7 | 26 |
| ... | * | ... | 31·0 | 31·4 | * | * | 36·5 | 38·0 | 39·9 | 42·0 | 43·7 | 44·6 | 45·5 | 45·7 | 45·5 | 42·6 | 41·1 | 40·4 | 39·3 | 38·5 | 36·9 | 36·5 | 27 |
| 35·2 | 36·0 | 35·7 | 35·1 | 36·3 | 37·0 | 41·0 | 42·2 | 43·6 | 45·2 | 45·9 | 47·5 | 45·9 | 45·1 | 43·3 | 42·0 | 41·0 | 40·2 | 40·0 | 39·0 | 38·5 | 37·8 | 37·1 | 28 |
| 36·2 | 34·3 | 33·8 | 33·2 | 33·2 | 33·4 | 33·8 | 34·1 | 35·2 | 37·2 | 38·1 | 39·1 | 40·1 | 41·2 | 42·7 | 44·2 | 44·7 | 45·3 | 45·8 | 45·3 | 44·9 | 44·3 | 43·8 | 29 |
| 43·0 | 43·2 | 43·6 | 43·6 | 43·7 | 44·0 | 44·0 | 44·9 | 46·2 | 42·1 | 38·8 | 39·2 | 39·0 | 37·8 | 37·6 | 36·8 | 36·7 | 35·8 | 35·8 | 35·7 | 35·7 | 35·2 | 35·0 | 30 |
| 34·7 | 34·6 | 34·2 | 34·2 | 34·1 | 34·2 | 34·6 | 35·6 | 36·5 | 38·0 | 39·0 | 40·0 | 39·9 | 40·1 | 40·0 | 40·0 | 40·0 | 39·9 | 39·4 | 39·3 | 40·2 | 41·9 | 42·6 | 31 |

*Meteorological Office,*
*116, Victoria Street, Westminster. S.W.*
ROBERT H. SCOTT, Director.

# KEW OBSERVATORY LAT: 51°28′ N. LONG: 0°19′ W.

## WIND

DIRECTION IN NUMBERS { 8=E 24=W / 16=S 32=N }

| DAYS | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | NOON | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D |
| 1 | 18 | 12 | 16 | 14 | 16 | 17 | 17 | 13 | 17 | 17 | 16 | 15 | 17 | 26 | 18 | 35 | 19 | 29 | 21 | 33 | 21 | 33 | 22 | 35 | 21 |
| 2 | 1 | 10·5 | 32 | 9·5 | 1 | 10·5 | 32 | 11 | 32 | 13 | 32 | 8·5 | 32 | 9·5 | 4 | 6·5 | 4 | 3 | 3 | 4·5 | 3 | 4 | 1 | 4 | 1 |
| 3 | 7 | 31 | 7 | 27 | 7 | 22 | 8 | 28 | 7 | 22 | 8 | 22 | 8 | 16 | 8 | 17 | 8 | 15 | 8 | 15 | 10 | 10·5 | 14 | 16 | 16 |
| 4 | 16 | 12 | 16 | 12 | 17 | 16 | 16 | 15 | 17 | 14 | 17 | 14 | 17 | 14 | 17 | 15 | 17 | 12 | 18 | 17 | 18 | 19 | 18 | 16 | 19 |
| 5 | 19 | 13 | 19 | 15 | 19 | 15 | 19 | 16 | 19 | 14 | 19 | 10·5 | 20 | 15 | 20 | 14 | 18 | 15 | 18 | 14 | 19 | 18 | 19 | 20 | 18 |
| 6 | 20 | 16 | 22 | 13 | 20 | 17 | 21 | 14 | 20 | 14 | 20 | 13 | 19 | 13 | 18 | 11 | 17 | 10·5 | 16 | 15 | 17 | 20 | 16 | 20 | 17 |
| 7 | 18 | 22 | 19 | 25 | 17 | 17 | 17 | 21 | 17 | 24 | 16 | 26 | 16 | 30 | 17 | 36 | 18 | 32 | 18 | 26 | 18 | 30 | 17 | 25 | 18 |
| 8 | 18 | 15 | 17 | 13 | 17 | 20 | 18 | 22 | 18 | 21 | 18 | 19 | 18 | 19 | 18 | 14 | 17 | 10·5 | 16 | 10·5 | 13 | 8·5 | 14 | 9·5 | 15 |
| 9 | 15 | 3 | 15 | 3 | 15 | 4 | 15 | 3 | 15 | 4 | 19 | 4·5 | 21 | 5·5 | 21 | 7·5 | 21 | 6·5 | 20 | 12 | 20 | 10·5 | 20 | 17 | 21 |
| 10 | 20 | 4·5 | 20 | 2 | 20 | 3 | 20 | 2 | 20 | 2 | 20 | 2 | 27 | 5·5 | 1 | 4 | 1 | 7·5 | 2 | 6·5 | 8 | 10·5 | 8 | 10·5 | 5 |
| 11 | 5 | 32 | 5 | 32 | 5 | 30 | 5 | 26 | 4 | 25 | 3 | 28 | 3 | 28 | 3 | 30 | 3 | 28 | 2 | 26 | 3 | 25 | 2 | 17 | 2 |
| 12 | 27 | 8·5 | 26 | 8·5 | 26 | 7·5 | 26 | 5·5 | 26 | 4 | 26 | 4 | 26 | 3 | 26 | 4 | 25 | 3 | 25 | 3 | 27 | 3 | 27 | 3 | 27 |
| 13 | 4 | 3 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 3 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 7 | 6·5 | 9 | 4·5 | 20 | 4·5 | 20 |
| 14 | 15 | 10·5 | 16 | 10·5 | 16 | 14 | 16 | 15 | 15 | 15 | 15 | 12 | 15 | 12 | 16 | 10·5 | 16 | 8·5 | 16 | 11 | 17 | 11 | 16 | 13 | 16 |
| 15 | 25 | 17 | 25 | 19 | 24 | 15 | 24 | 16 | 24 | 12 | 24 | 11 | 23 | 10·5 | 23 | 7·5 | 23 | 10·5 | 23 | 9·5 | 24 | 10·5 | 25 | 14 | 26 |
| 16 | 17 | 11 | 18 | 11 | 17 | 13 | 17 | 13 | 17 | 15 | 17 | 13 | 17 | 18 | 17 | 16 | 17 | 16 | 18 | 15 | 17 | 15 | 18 | 16 | 19 |
| 17 | 17 | 15 | 17 | 12 | 17 | 17 | 17 | 16 | 17 | 15 | 18 | 14 | 17 | 22 | 17 | 19 | 17 | 22 | 17 | 22 | 16 | 21 | 17 | 21 | 17 |
| 18 | 18 | 2 | 18 | 2 | 18 | 3 | 18 | 4·5 | 18 | 3 | 18 | 3 | 17 | 8·5 | 16 | 9·5 | 15 | 11 | 16 | 14 | 17 | 19 | 17 | 20 | 17 |
| 19 | 17 | 23 | 17 | 21 | 18 | 24 | 18 | 21 | 18 | 25 | 18 | 24 | 18 | 28 | 17 | 24 | 18 | 30 | 19 | 33 | 19 | 31 | 19 | 37 | 18 |
| 20 | 21 | 5·5 | 21 | 4·5 | 21 | 3 | 21 | 3 | 21 | 3 | 21 | 2 | 21 | 2 | 21 | 2 | 21 | 4 | 10 | 6·5 | 28 | 4·5 | 28 | 3 | 28 |
| 21 | 26 | 2 | 26 | 2 | 26 | 2 | 26 | 2 | 26 | 2 | 26 | 1·5 | 26 | 2 | 26 | 3 | 26 | 1·5 | 26 | 1·5 | -- | -- | -- | -- | -- |
| 22 | -- | -- | -- | -- | -- | -- | -- | -- | * | * | -- | -- | -- | -- | -- | -- | -- | -- | 20 | 4 | 20 | 3 | 20 | 3 | 17 |
| 23 | 10 | 4 | 10 | 5·5 | 10 | 7·5 | 8 | 5·5 | 8 | 4 | 8 | 4 | 8 | 4 | 8 | 4·5 | 8 | 4 | 11 | 4·5 | 16 | 13 | 16 | 14 | 15 |
| 24 | 16 | 20 | 16 | 20 | 16 | 17 | 16 | 16 | 17 | 20 | 22 | 13 | 19 | 9·5 | 19 | 9·5 | 21 | 8·5 | 23 | 13 | 25 | 16 | 26 | 19 | 26 |
| 25 | 15 | 5·5 | 15 | 8·5 | 13 | 9·5 | 13 | 10·5 | 14 | 14 | 15 | 15 | 16 | 18 | 16 | 19 | 16 | 20 | 17 | 21 | 18 | 27 | 19 | 19 | 19 |
| 26 | 26 | 13 | 26 | 13 | 25 | 12 | 25 | 12 | 25 | 10·5 | 25 | 11 | 25 | 10·5 | 26 | 7·5 | 25 | 13 | 26 | 11 | 26 | 14 | 27 | 18 | 28 |
| 27 | 24 | 4·5 | 24 | 4·5 | 24 | 4·5 | 24 | 3 | 24 | 2 | 24 | 2 | 24 | 3 | 22 | 5·5 | 18 | 9·5 | 18 | 12 | 17 | 15 | 18 | 15 | 19 |
| 28 | 22 | 3 | 22 | 5·5 | 22 | 4·5 | 22 | 3 | 22 | 5·5 | 19 | 5·5 | 19 | 7·5 | 18 | 14 | 18 | 14 | 18 | 19 | 19 | 24 | 19 | 23 | 20 |
| 29 | 24 | 15 | 23 | 14 | 24 | 24 | 24 | 20 | 24 | 17 | 23 | 19 | 24 | 17 | 24 | 20 | 23 | 15 | 23 | 24 | 23 | 19 | 23 | 19 | 21 |
| 30 | 22 | 25 | 22 | 26 | 21 | 25 | 21 | 30 | 21 | 30 | 21 | 32 | 20 | 30 | 20 | 37 | 20 | 37 | 22 | 38 | 25 | 30 | 26 | 32 | 27 |
| 31 | 26 | 10·5 | 26 | 10·5 | 26 | 9·5 | 25 | 10·5 | 25 | 8·5 | 25 | 10·5 | 25 | 9·5 | 25 | 7·5 | 25 | 6·5 | 21 | 9·5 | 24 | 10·5 | 24 | 10·5 | 25 |

## RAINFALL

GAUGE { HEIGHT ABOVE GROUND 2 FEET / HEIGHT ABOVE MEAN SEA LEVEL 20 FEET

| DAYS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | - | ·005 | ·010 | - | ·005 | ·025 | - | - | ·090 | ·015 | ·100 | ·050 | - | - | ·055 | - | - | - | - | - | - | - | - | - |
| 2 | - | ·010 | ·030 | - | ·005 | ·015 | - | - | - | - | - | - | - | - | - | - | - | - | - | ·030 | ·070 | ·080 | ·020 | ·005 |
| 3 | ·005 | ·005 | - | - | - | - | - | - | ·060 | ·105 | ·040 | ·095 | ·020 | - | ·005 | ·007 | ·003 | - | - | - | - | - | - | - |
| 4 | - | - | ·003 | ·015 | ·065 | ·040 | ·030 | ·050 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ·005 | ·005 |
| 5 | ·005 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ·050 | - | ·005 | ·010 | - | - | - | ·075 | ·010 |
| 6 | - | - | - | - | - | - | - | ·005 | ·015 | - | - | ·015 | ·010 | - | - | ·065 | ·060 | ·005 | - | - | - | - | ·020 | ·025 |
| 7 | - | ·015 | ·005 | - | - | - | ·035 | ·030 | ·005 | ·015 | - | - | - | - | ·120 | ·120 | ·150 | ·015 | ·040 | - | - | - | - | - |
| 8 | - | - | - | - | - | - | - | ·055 | ·050 | ·060 | ·020 | ·005 | ·025 | ·050 | ·045 | ·055 | ·040 | ·055 | ·035 | ·005 | - | - | - | - |
| 9 | - | - | ·045 | ·030 | ·050 | ·070 | ·020 | - | - | ·010 | - | ·010 | ·005 | - | - | - | ·125 | ·145 | ·105 | ·105 | ·020 | - | - | - |
| 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 11 | - | - | ·010 | ·015 | ·015 | ·040 | ·070 | ·080 | ·095 | ·030 | ·040 | ·005 | ·005 | - | - | - | - | - | - | - | - | - | - | - |
| 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 14 | - | - | - | - | ·010 | - | - | ·005 | ·005 | - | - | - | ·015 | ·030 | ·005 | - | - | ·020 | ·015 | ·020 | ·045 | ·035 | ·035 | - |
| 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 17 | - | - | - | - | - | - | - | - | - | - | ·015 | ·010 | ·015 | - | - | ·065 | ·005 | - | - | - | - | - | - | - |
| 18 | - | - | - | - | - | - | - | - | - | ·010 | - | - | - | - | - | - | - | - | - | - | - | ·010 | ·010 | ·005 |
| 19 | ·005 | ·005 | - | ·005 | - | ·005 | ·005 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 21 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 23 | Melted hoarfrost at 10 am. = ·015 | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | - | - | - | - | - | ·075 | ·025 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 25 | - | - | - | - | - | ·005 | ·015 | ·030 | ·010 | ·010 | ·015 | ·015 | ·010 | - | ·015 | ·080 | ·040 | - | - | - | - | - | - | - |
| 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 27 | - | - | - | - | - | - | - | - | ·020 | ·010 | - | - | ·007 | ·003 | ·004 | ·008 | - | - | - | - | - | - | - | - |
| 28 | - | - | - | - | - | - | - | ·008 | - | - | - | - | - | ·015 | - | - | - | - | - | - | - | - | ·025 | ·025 |
| 29 | ·005 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 30 | - | - | - | - | - | - | - | - | ·025 | ·030 | ·075 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ·045 | ·075 | ·055 | ·040 | ·025 |

* Record defective or Instrument out of action  † Obtained from reading of Standard  ‡ Approximate.

# HOURLY VALUES *January* 1877.

## AND VELOCITY IN MILES PER HOUR

| 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | MIDT. | | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | D | V | |
| 1 | 24 | 20 | 22 | 20 | 24 | 20 | 24 | 20 | 18 | 20 | 16 | 20 | 12 | 21 | 8·5 | 23 | 12 | 24 | 14 | 32 | 11 | 1 |
| 8 | 5·5 | 9 | 11 | 8 | 12 | 8 | 16 | 8 | 19 | 8 | 20 | 9 | 20 | 8 | 21 | 9 | 21 | 7 | 27 | 7 | 34 | 2 |
| 6 | 18 | 16 | 14 | 16 | 12 | 15 | 15 | 16 | 10·5 | 16 | 15 | 16 | 19 | 16 | 17 | 16 | 17 | 16 | 15 | 16 | 12 | 3 |
| 9 | 13 | 18 | 15 | 19 | 15 | 17 | 15 | 17 | 18 | 18 | 14 | 18 | 13 | 18 | 11 | 18 | 7·5 | 18 | 12 | 19 | 15 | 4 |
| 7 | 16 | 16 | 16 | 18 | 17 | 17 | 19 | 18 | 24 | 19 | 24 | 20 | 22 | 19 | 16 | 18 | 15 | 20 | 15 | 20 | 12 | 5 |
| 7 | 29 | 16 | 25 | 17 | 27 | 16 | 37 | 16 | 44 | 16 | 35 | 16 | 34 | 17 | 32 | 17 | 29 | 17 | 29 | 19 | 31 | 6 |
| 7 | 25 | 20 | 13 | 21 | 8·5 | 19 | 15 | 19 | 16 | 20 | 23 | 19 | 20 | 19 | 18 | 19 | 16 | 19 | 16 | 18 | 19 | 7 |
| 6 | 6·5 | 16 | 5·5 | 15 | 7·5 | 15 | 2 | 15 | 3 | 15 | 2 | 15 | 2 | 15 | 3 | 15 | 4 | 15 | 2 | 15 | 3 | 8 |
| 1 | 20 | 21 | 14 | 21 | 11 | 20 | 12 | 21 | 6·5 | 21 | 8·5 | 21 | 7·5 | 18 | 5·5 | 20 | 4 | 20 | 3 | 20 | 3 | 9 |
| 5 | 10·5 | 6 | 12 | 7 | 21 | 6 | 26 | 6 | 23 | 6 | 25 | 6 | 34 | 6 | 34 | 6 | 37 | 6 | 35 | 5 | 35 | 10 |
| 2 | 19 | 32 | 16 | 32 | 16 | 31 | 17 | 31 | 15 | 30 | 15 | 30 | 13 | 30 | 10·5 | 30 | 10·5 | ‡28 | 10·5 | ‡28 | 6·5 | 11 |
| 7 | 4 | 32 | 3 | 32 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 2 | 4 | 3 | 4 | 2 | 4 | 1·5 | 4 | 3 | 12 |
| 8 | 4·5 | 18 | 4·5 | 18 | 5·5 | 17 | 6·5 | 17 | 5·5 | 17 | 5·5 | 17 | 6·5 | 17 | 7·5 | 16 | 8·5 | 15 | 7·5 | 13 | 7·5 | 13 |
| 6 | 17 | 15 | 15 | 16 | 14 | 16 | 13 | 16 | 17 | 19 | 15 | 22 | 15 | 28 | 20 | 26 | 13 | 25 | 13 | 24 | 12 | 14 |
| 4 | 13 | 23 | 6·5 | 23 | 5·5 | 22 | 7·5 | 19 | 7·5 | 18 | 7·5 | 18 | 7·5 | 18 | 7·5 | 17 | 6·5 | 17 | 6·5 | 17 | 6·5 | 15 |
| 8 | 15 | 18 | 14 | 18 | 18 | 18 | 14 | 18 | 20 | 17 | 19 | 17 | 16 | 17 | 18 | 17 | 20 | 17 | 17 | 17 | 17 | 16 |
| 7 | 19 | 17 | 17 | 17 | 13 | 17 | 11 | 18 | 5·5 | 18 | 4·5 | 18 | 4 | 18 | 4·5 | 18 | 4 | 18 | 4 | 18 | 3 | 17 |
| 6 | 20 | 17 | 23 | 17 | 25 | 16 | 24 | 17 | 22 | 17 | 25 | 17 | 25 | 17 | 25 | 18 | 25 | 18 | 25 | 18 | 23 | 18 |
| 9 | 34 | 19 | 33 | 19 | 31 | 19 | 26 | 20 | 22 | 20 | 20 | 21 | 15 | 21 | 11 | 21 | 11 | 22 | 8·5 | 22 | 6·5 | 19 |
| 28 | 2 | 28 | 2 | 28 | 1·5 | 28 | 3 | 28 | 2 | 28 | 2 | 28 | 4 | 28 | 4 | 26 | 2 | 26 | 2 | 26 | 1·5 | 20 |
| -- | -- | -- | -- | -- | -- | * | * | * | * | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 21 |
| 17 | 9·5 | 17 | 5·5 | 17 | 5·5 | 12 | 9·5 | 12 | 7·5 | 10 | 4 | 10 | 3 | 10 | 4·5 | 10 | 4·5 | 10 | 4 | 10 | 3 | 22 |
| 16 | 14 | 16 | 9·5 | 13 | 10·5 | 13 | 11 | 16 | 11 | 15 | 14 | 15 | 14 | 16 | 16 | 15 | 20 | 16 | 20 | 16 | 20 | 23 |
| 27 | 10·5 | 28 | 8·5 | 27 | 4·5 | 27 | 4 | 23 | 4·5 | 23 | 3 | 23 | 5·5 | 22 | 4·5 | 22 | 3 | 22 | 3 | 22 | 4·5 | 24 |
| 20 | 19 | 31 | 17 | 28 | 15 | 28 | 10·5 | 27 | 11 | 26 | 14 | 26 | 14 | 25 | 15 | 25 | 16 | 25 | 16 | 25 | 14 | 25 |
| 28 | 14 | 28 | 13 | 29 | 11 | 28 | 6·6 | 28 | 5·5 | 28 | 5·5 | 28 | 5·5 | 28 | 4·5 | 27 | 4·5 | 24 | 4 | 24 | 2 | 26 |
| 20 | 11 | 20 | 8·5 | 24 | 6·5 | 22 | 4·5 | 22 | 4 | 22 | 4·5 | 22 | 4·5 | 22 | 4·6 | 22 | 4 | 22 | 4·5 | 22 | 4 | 27 |
| 23 | 21 | 24 | 22 | 24 | 21 | 23 | 19 | 23 | 16 | 21 | 15 | 22 | 17 | 22 | 13 | 22 | 15 | 22 | 18 | 22 | 16 | 28 |
| 22 | 23 | 21 | 27 | 23 | 28 | 24 | 30 | 24 | 28 | 24 | 30 | 24 | 31 | 24 | 30 | 24 | 28 | 22 | 25 | 22 | 24 | 29 |
| 26 | 37 | 26 | 30 | 26 | 35 | 27 | 30 | 27 | 28 | 27 | 28 | 26 | 22 | 27 | 25 | 27 | 21 | 27 | 17 | 26 | 14 | 30 |
| 24 | 7·5 | 23 | 5·5 | 21 | 7·5 | 20 | 7·5 | 20 | 10·5 | 19 | 8·5 | 19 | 7·5 | 16 | 9·6 | 16 | 6·5 | 24 | 6·5 | 20 | 8·5 | 31 |

## VAPOUR TENSION. *IN INCHES, BY GLAISHER'S TABLES, 5TH EDITION.*

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | NOON | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | MIDT | DAYS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ·342 | ·341 | ·324 | ·288 | ·280 | ·281 | ·263 | ·302 | ·335 | ·347 | ·356 | ·276 | ·275 | ·282 | ·301 | ·306 | ·298 | ·304 | ·298 | ·303 | ·303 | ·294 | ·277 | ·236 | 1 |
| ·229 | ·221 | ·215 | ·206 | ·209 | ·199 | ·191 | ·195 | ·195 | ·190 | ·189 | ·185 | ·189 | ·195 | ·200 | ·190 | ·193 | ·197 | ·199 | ·214 | ·222 | ·219 | ·220 | ·217 | 2 |
| ·217 | ·226 | ·234 | ·244 | ·254 | ·265 | ·270 | ·279 | ·285 | ·297 | ·331 | ·345 | ·338 | ·322 | ·315 | ·317 | ·313 | ·312 | ·301 | ·296 | ·300 | ·292 | ·291 | ·300 | 3 |
| ·307 | ·307 | ·317 | ·318 | ·322 | ·333 | ·331 | ·329 | ·327 | ·323 | ·313 | ·320 | ·326 | ·322 | ·316 | ·311 | ·303 | ·303 | ·314 | ·312 | ·303 | ·305 | ·301 | ·300 | 4 |
| ·272 | ·278 | ·275 | ·280 | ·279 | ·272 | ·268 | ·268 | ·274 | ·281 | ·299 | ·286 | ·296 | ·298 | ·297 | ·295 | ·292 | ·301 | ·280 | ·265 | ·259 | ·258 | ·260 | ·263 | 5 |
| ·249 | ·226 | ·226 | ·223 | ·225 | ·222 | ·228 | ·244 | ·261 | ·283 | ·306 | ·311 | ·319 | ·300 | ·297 | ·310 | ·295 | ·278 | ·276 | ·275 | ·285 | ·278 | ·297 | ·286 | 6 |
| ·284 | ·276 | ·284 | ·287 | ·288 | ·301 | ·281 | ·297 | ·268 | ·289 | ·279 | ·283 | ·292 | ·298 | ·307 | ·302 | ·298 | ·293 | ·290 | ·285 | ·264 | ·264 | ·280 | ·281 | 7 |
| ·291 | ·290 | ·306 | ·308 | ·309 | ·310 | ·304 | ·322 | ·328 | ·332 | ·338 | ·337 | ·345 | ·345 | ·349 | ·342 | ·342 | ·331 | ·339 | ·322 | ·322 | ·323 | ·320 | ·319 | 8 |
| ·303 | ·310 | ·309 | ·311 | ·313 | ·311 | ·312 | ·311 | ·322 | ·330 | ·326 | ·328 | ·309 | ·312 | ·300 | ·301 | ·296 | ·292 | ·295 | ·286 | ·280 | ·271 | ·271 | ·261 | 9 |
| ·256 | ·252 | ·247 | ·240 | ·234 | ·228 | ·237 | ·223 | ·232 | ·241 | ·255 | ·264 | ·276 | ·280 | ·288 | ·282 | ·284 | ·282 | ·271 | ·272 | ·253 | ·253 | ·250 | ·249 | 10 |
| ·246 | ·241 | ·237 | ·241 | ·235 | ·241 | ·218 | ·210 | ·205 | ·201 | ·199 | ·199 | ·197 | ·195 | ·194 | ·193 | ·190 | ·188 | ·188 | ·179 | ·179 | ·177 | ·178 | ·173 | 11 |
| ·173 | ·180 | ·180 | ·178 | ·182 | ·169 | ·163 | ·158 | ·183 | ·180 | ·183 | ·185 | ·181 | ·160 | ·171 | ·175 | ·176 | ·182 | ·176 | ·181 | ·188 | ·186 | ·187 | ·193 | 12 |
| ·192 | ·185 | ·189 | ·191 | ·193 | ·195 | ·192 | ·194 | ·202 | ·195 | ·201 | ·214 | ·216 | ·222 | ·205 | ·202 | ·203 | ·201 | ·209 | ·202 | ·204 | ·210 | ·217 | ·219 | 13 |
| ·236 | ·250 | ·255 | ·262 | ·269 | ·270 | ·278 | ·293 | ·300 | ·307 | ·309 | ·311 | ·316 | ·317 | ·325 | ·324 | ·328 | ·337 | ·320 | ·315 | ·242 | ·245 | ·250 | ·247 | 14 |
| ·227 | ·210 | ·204 | ·199 | ·194 | ·190 | ·190 | ·183 | ·185 | ·193 | ·197 | ·199 | ·203 | ·191 | ·199 | ·201 | ·200 | ·202 | ·200 | ·205 | ·206 | ·209 | ·213 | ·230 | 15 |
| ·245 | ·256 | ·269 | ·273 | ·274 | ·284 | ·286 | ·294 | ·298 | ·301 | ·299 | ·307 | ·290 | ·302 | ·291 | ·293 | ·300 | ·303 | ·306 | ·307 | ·313 | ·317 | ·324 | ·328 | 16 |
| ·332 | ·334 | ·333 | ·337 | ·338 | ·336 | ·324 | ·327 | ·325 | ·329 | ·334 | ·334 | ·333 | ·333 | ·328 | ·328 | ·319 | ·313 | ·311 | ·312 | ·296 | ·282 | ·273 | ·246 | 17 |
| ·239 | ·225 | ·212 | ·218 | ·232 | ·221 | ·228 | ·260 | ·270 | ·280 | ·283 | ·283 | ·287 | ·290 | ·294 | ·304 | ·304 | ·320 | ·325 | ·329 | ·332 | ·342 | ·344 | ·348 | 18 |
| ·348 | ·354 | ·358 | ·361 | ·357 | ·360 | ·358 | ·358 | ·364 | ·360 | ·362 | ·369 | ·368 | ·364 | ·367 | ·360 | ·323 | ·307 | ·276 | ·266 | ·272 | ·259 | ·259 | ·267 | 19 |
| ·265 | ·262 | ·265 | ·276 | ·273 | ·268 | ·266 | ·265 | ·267 | ·265 | ·255 | ·257 | ·252 | ·253 | ·248 | ·263 | ·257 | ·250 | ·230 | ·218 | ·220 | ·188 | ·186 | ·176 | 20 |
| ·171 | * | ·164 | ·165 | ·157 | ·155 | ·150 | ·156 | ·158 | ·165 | * | ·194 | ·260 | ·262 | ·262 | ·261 | ·262 | ·232 | ·220 | ·216 | ·222 | ·206 | ·203 | ·187 | 21 |
| ·190 | ·168 | ·161 | * | * | ·163 | ·163 | ·161 | ·169 | * | ·162 | ·214 | ·236 | ·233 | ·228 | ·215 | ·202 | ·199 | ·191 | ·187 | ·175 | ·178 | ·175 | ·180 | 22 |
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| ·179 | ·187 | ·199 | ·208 | ·220 | ·248 | ·257 | ·259 | ·252 | ·242 | ·216 | ·210 | ·196 | ·199 | ·192 | ·193 | ·197 | ·186 | ·187 | ·181 | ·175 | ·175 | ·182 | ·176 | 24 |
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| ·174 | ·173 | ·176 | ·173 | ·172 | ·170 | ·171 | ·170 | ·170 | ·172 | ·173 | ·181 | ·185 | ·188 | ·187 | ·185 | ·188 | ·187 | ·178 | ·179 | ·175 | ·177 | ·177 | ·165 | 26 |
| --- | * | * | --- | ·160 | ·167 | * | * | ·206 | ·221 | ·237 | ·257 | ·276 | ·285 | ·297 | ·300 | ·299 | ·268 | ·252 | ·246 | ·234 | ·230 | ·217 | ·214 | 27 |
| ·204 | ·203 | ·207 | ·207 | ·201 | ·207 | ·213 | ·249 | ·255 | ·266 | ·277 | ·295 | ·316 | ·261 | ·240 | ·221 | ·212 | ·213 | ·209 | ·207 | ·206 | ·203 | ·201 | ·202 | 28 |
| ·203 | ·196 | ·164 | ·158 | ·158 | ·157 | ·161 | ·162 | ·165 | ·165 | ·181 | ·182 | ·193 | ·198 | ·228 | ·245 | ·250 | ·259 | ·262 | ·265 | ·259 | ·249 | ·241 | ·237 | 29 |
| ·239 | ·232 | ·245 | ·243 | ·245 | ·248 | ·258 | ·251 | ·273 | ·293 | ·213 | ·206 | ·174 | ·197 | ·172 | ·173 | ·171 | ·172 | ·169 | ·173 | ·169 | ·171 | ·167 | ·177 | 30 |
| ·178 | ·176 | ·177 | ·173 | ·176 | ·174 | ·173 | ·184 | ·182 | ·196 | ·199 | ·206 | ·212 | ·211 | ·212 | ·218 | ·223 | ·225 | ·224 | ·229 | ·231 | ·240 | ·258 | ·267 | 31 |

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